

FIG. 1A

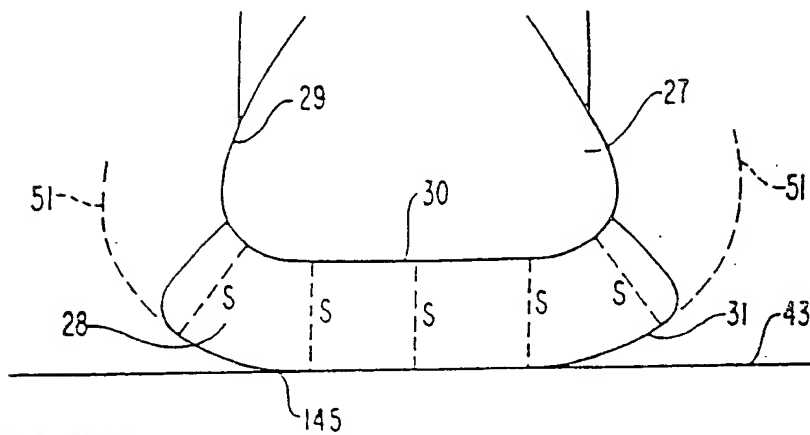


FIG. 1B

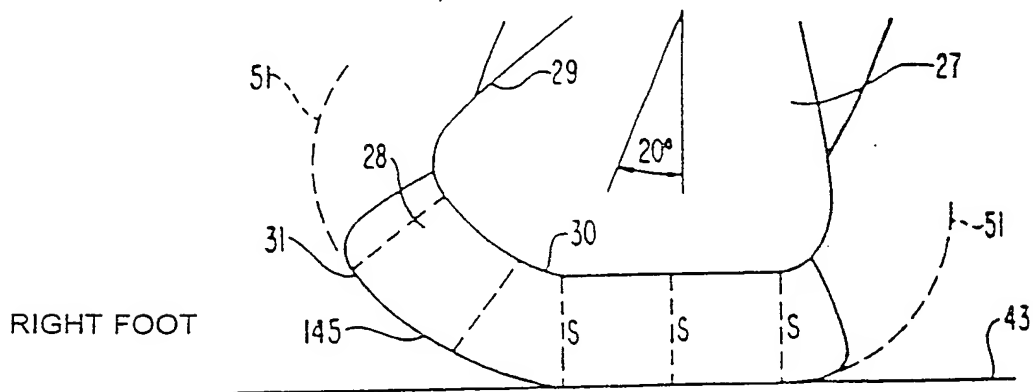


FIG. 1C

FIG. 1D

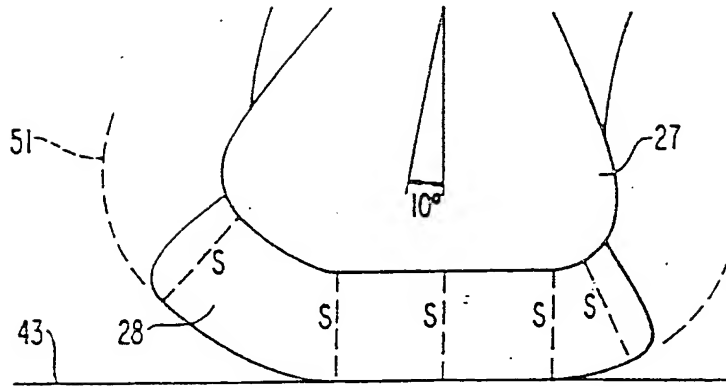


FIG. 1G

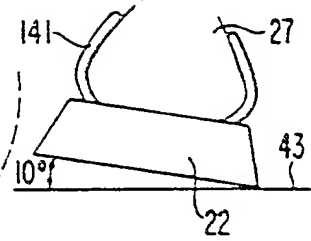


FIG. 1E

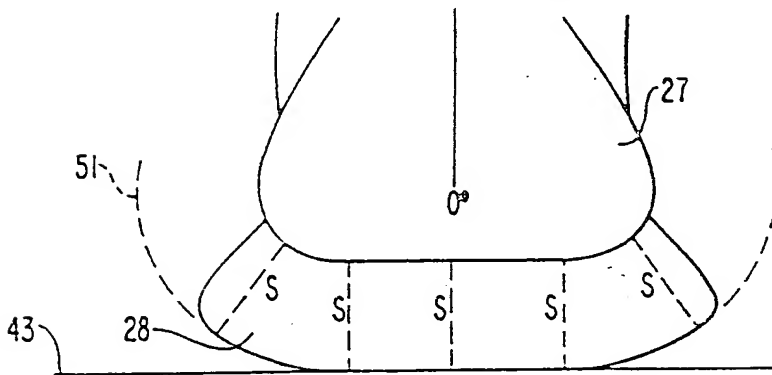


FIG. 1H

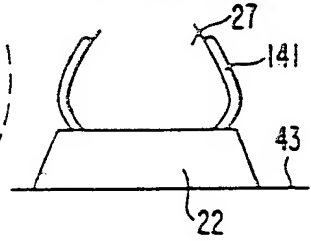


FIG. 1F

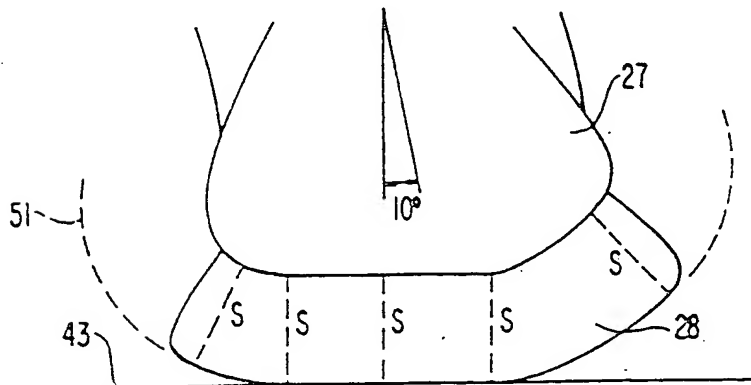
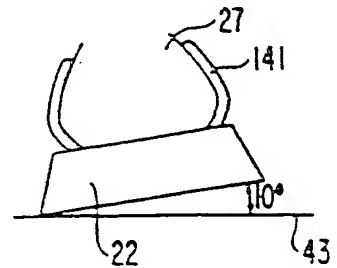


FIG. 1I



RIGHT FOOT

(Hatching density
corresponds to
shoe sole density
i.e. relative firmness)

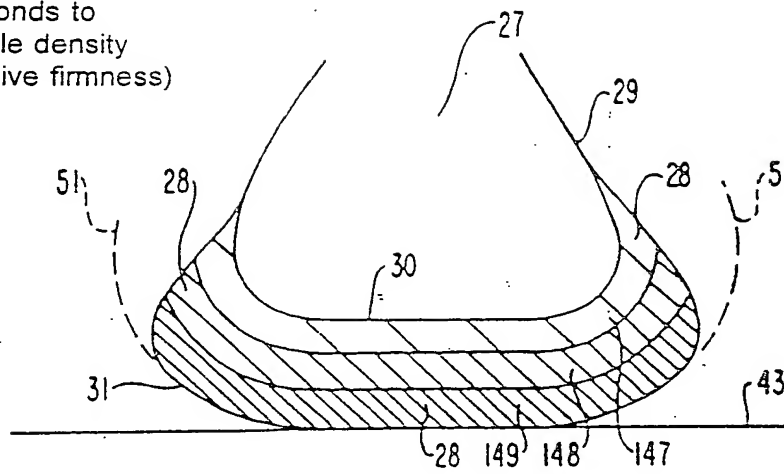


FIG. 2

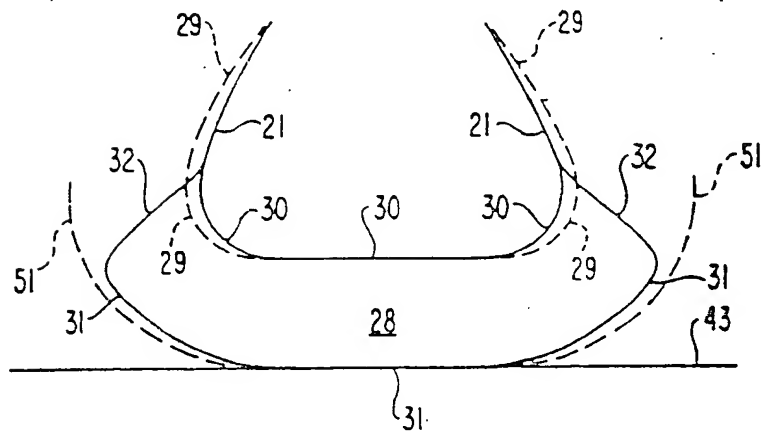


FIG. 3

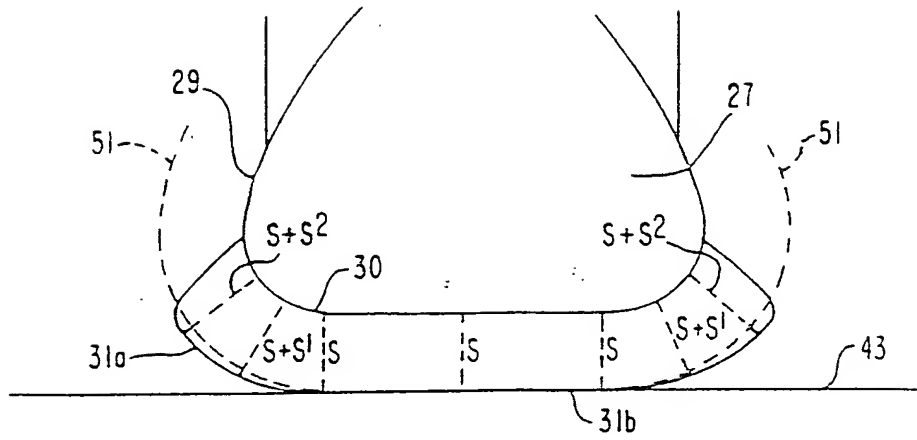


FIG. 4

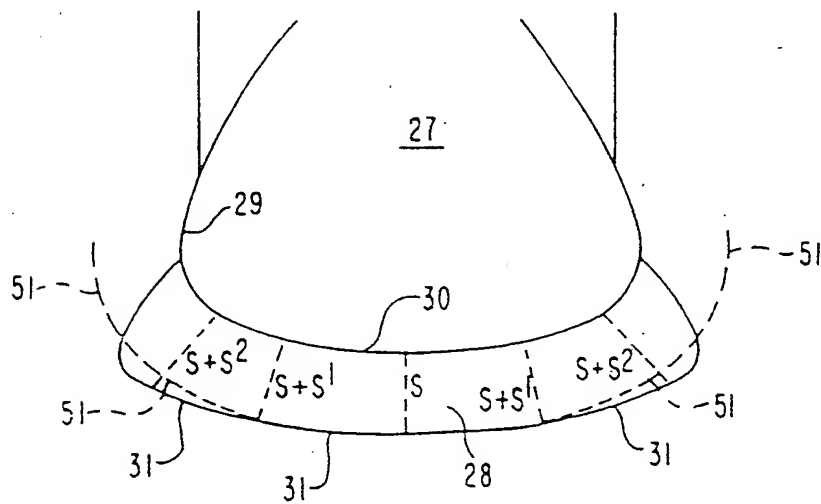


FIG. 5

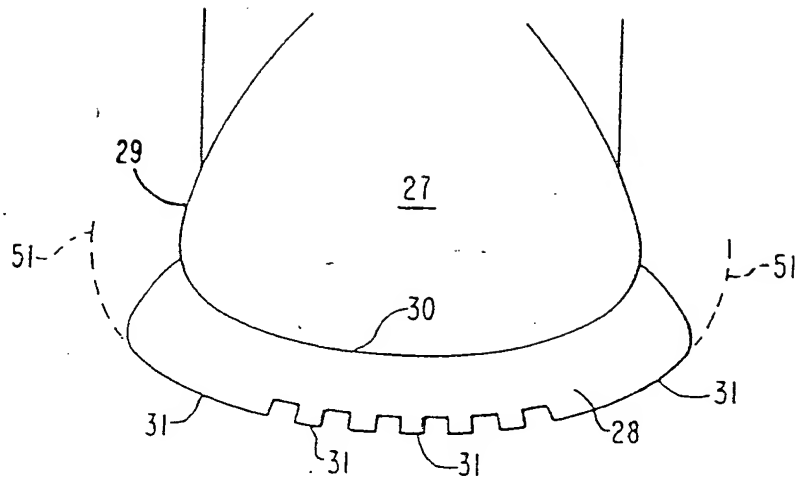


FIG. 8

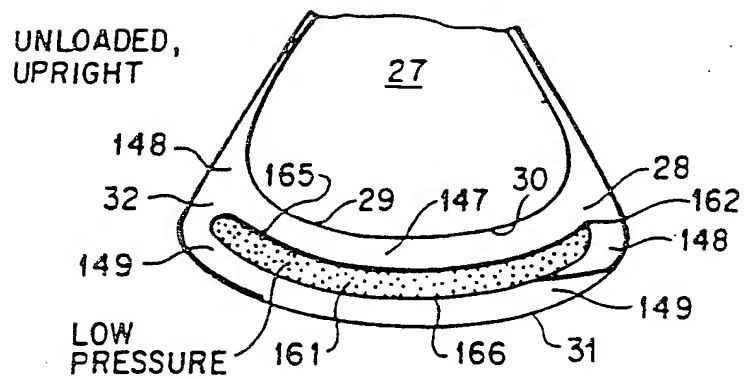


FIG. 9

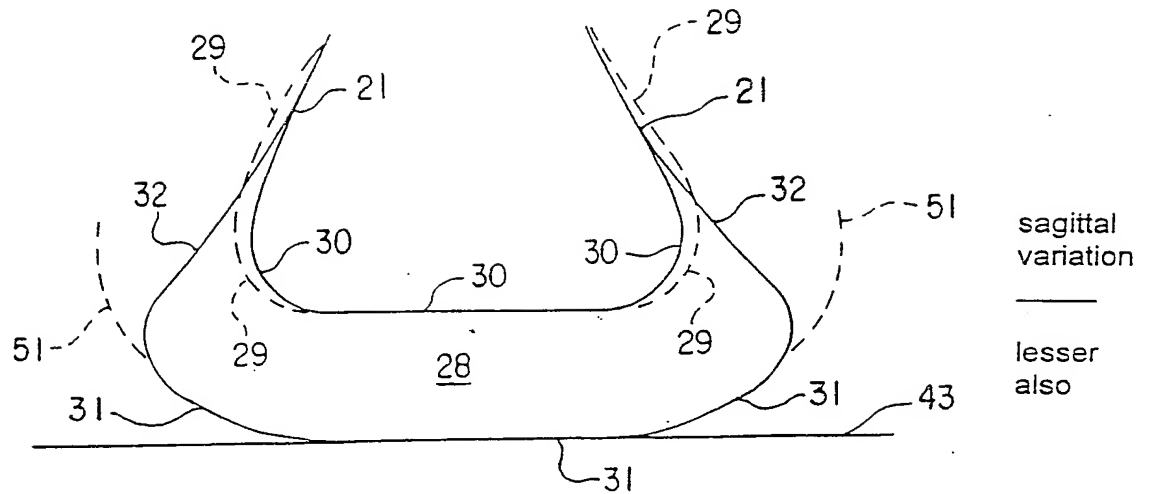


FIG. 10

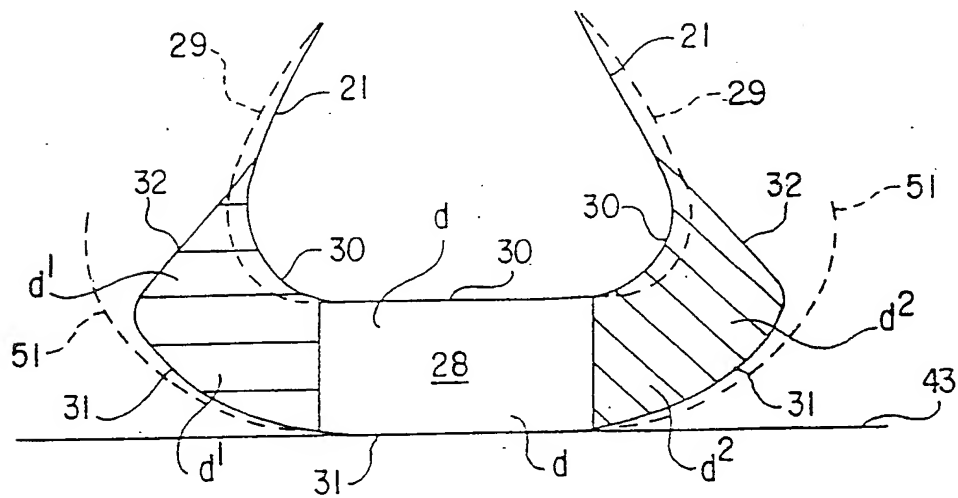


FIG. 11

FIG. 12

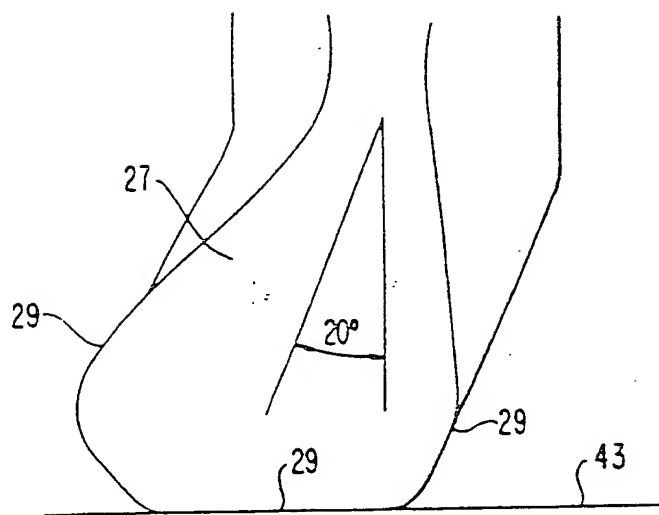


FIG. 13

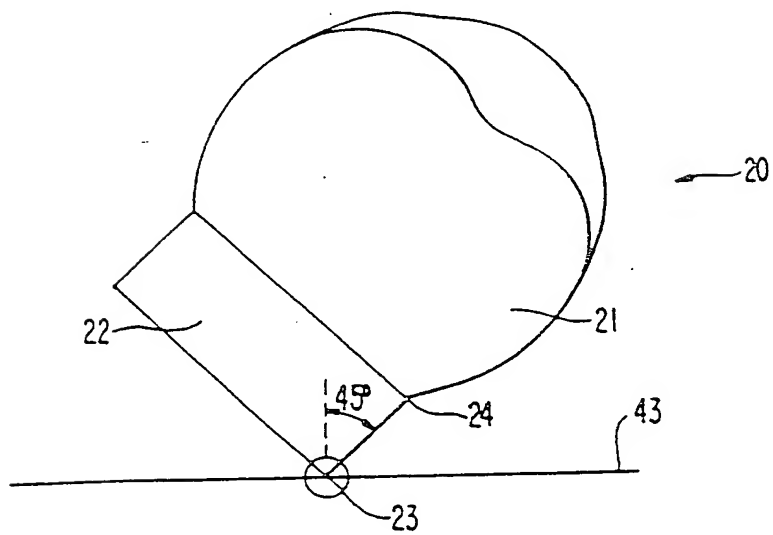


FIG. 14A

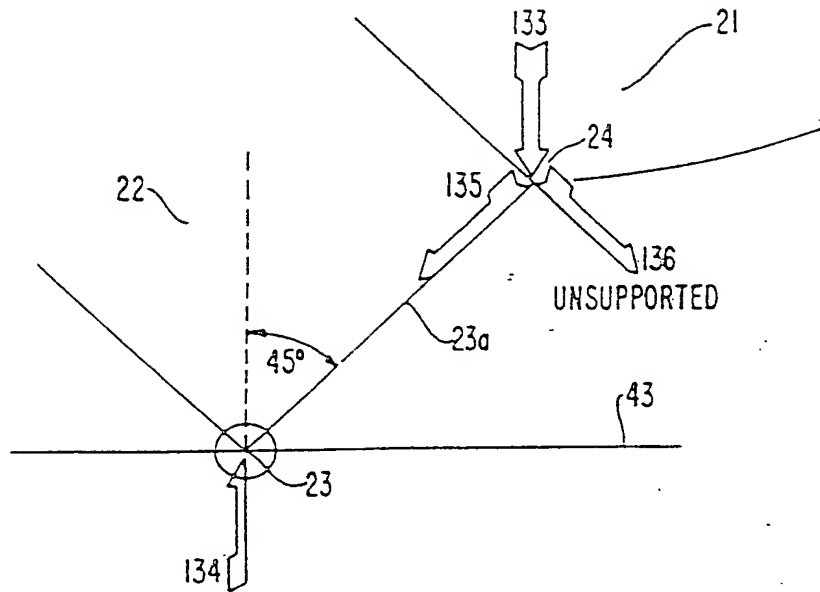


FIG. 14B

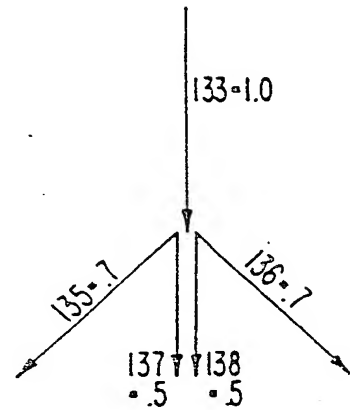


FIG. 15

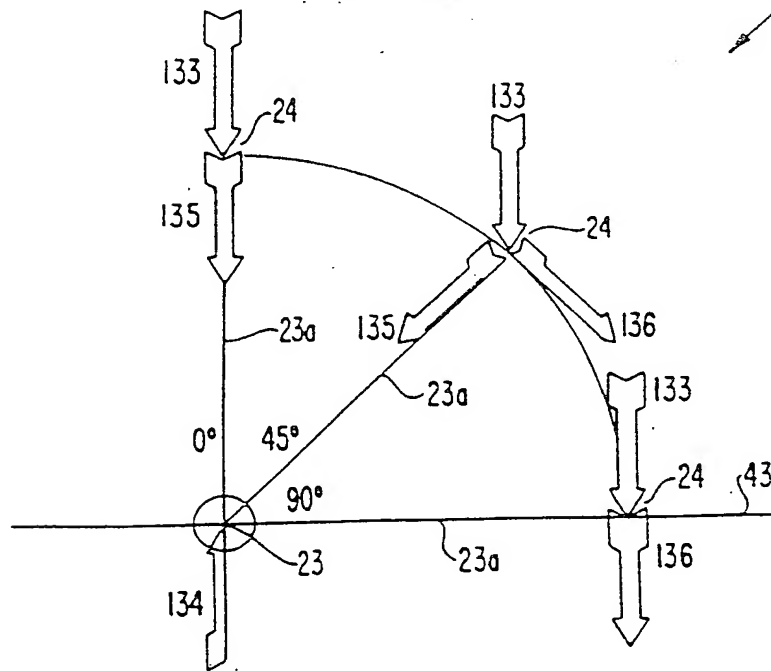


FIG.16

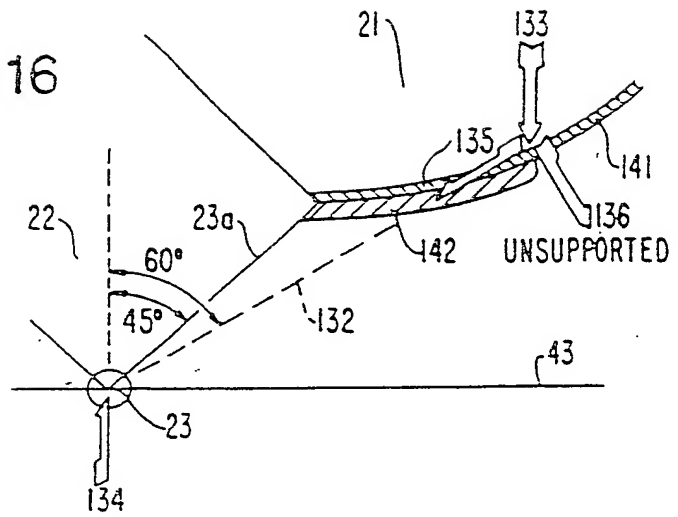


FIG.17

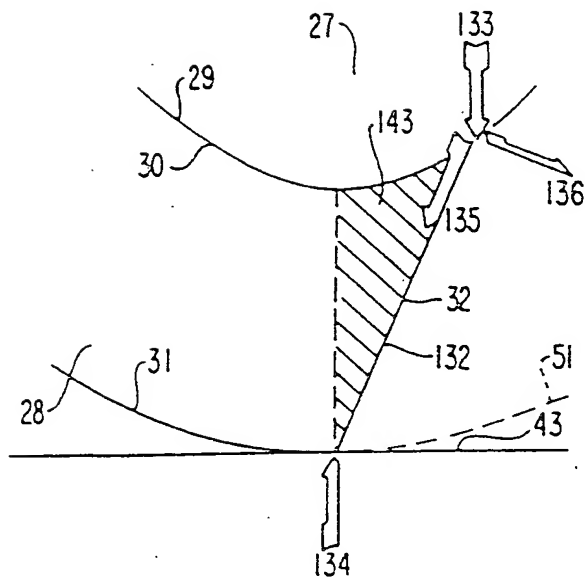


FIG.18

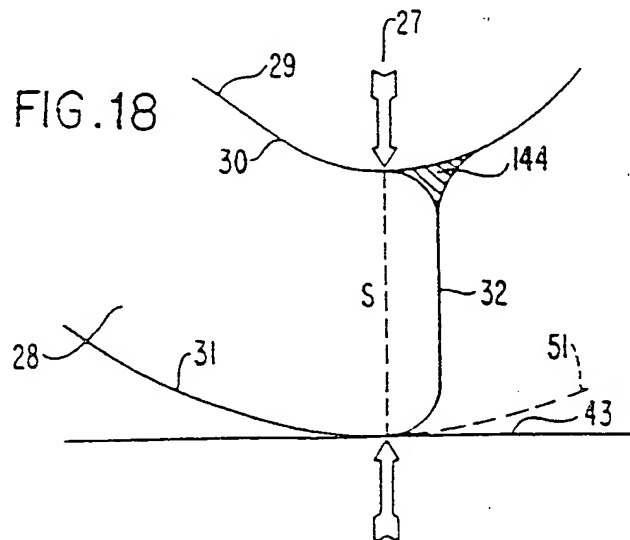


FIG. 19A

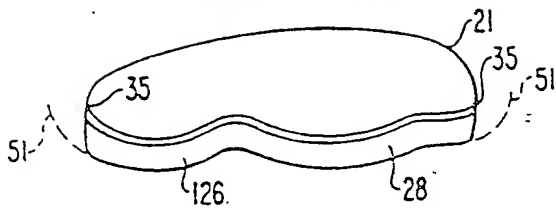


FIG. 19B

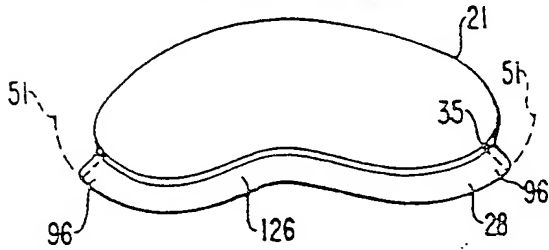


FIG. 19C

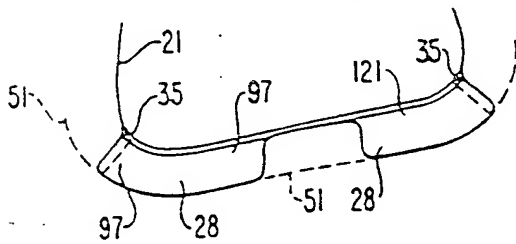


FIG. 19D

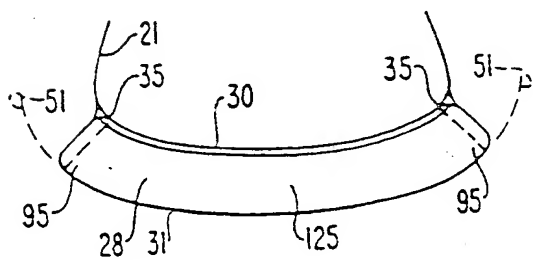


FIG. 19E

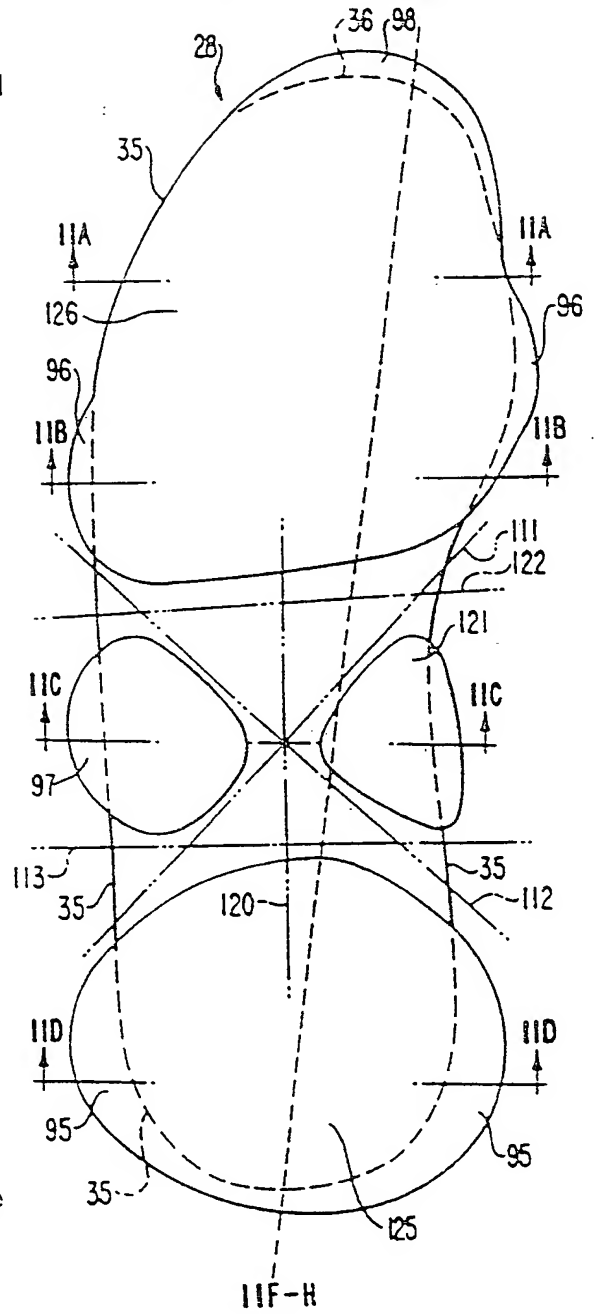


FIG. 19E'

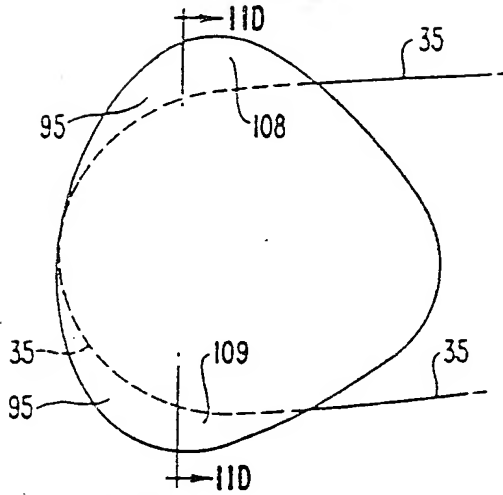


FIG. 19J

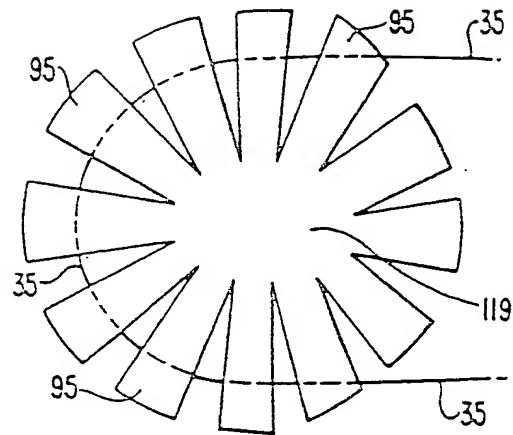


FIG. 19F

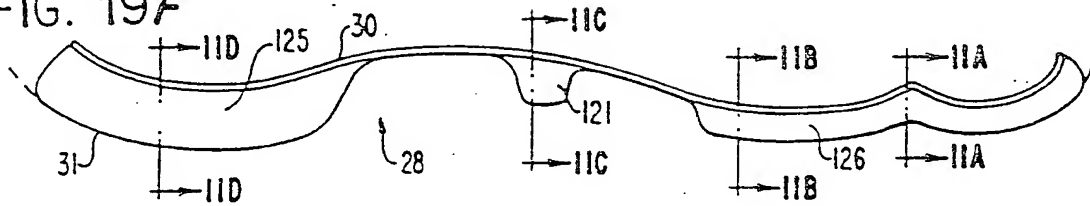


FIG. 19G

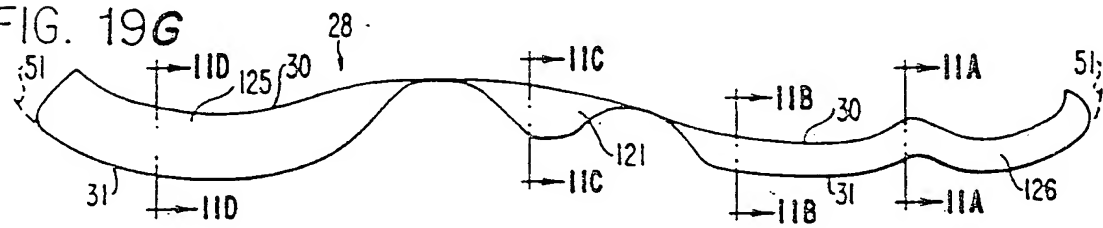


FIG. 19H

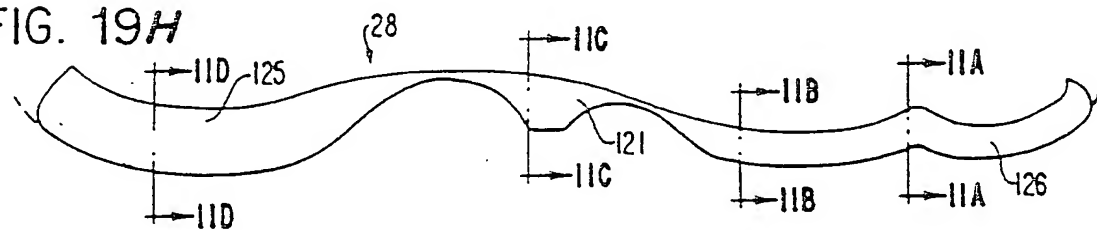


FIG. 19I

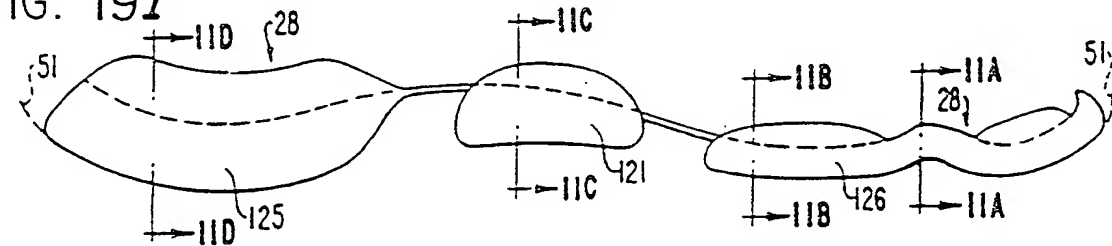


FIG. 20

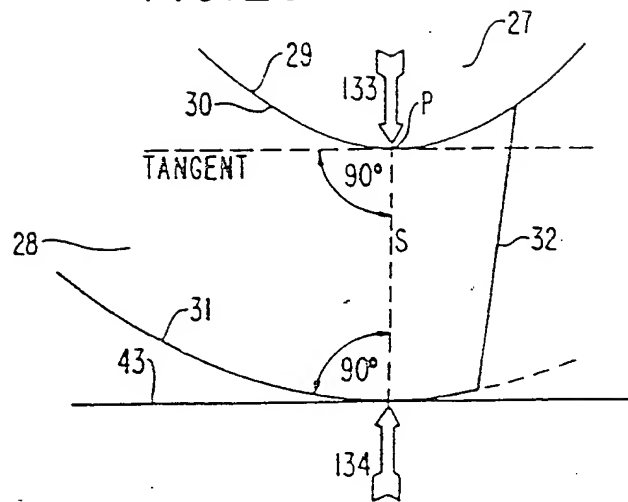


FIG. 21A

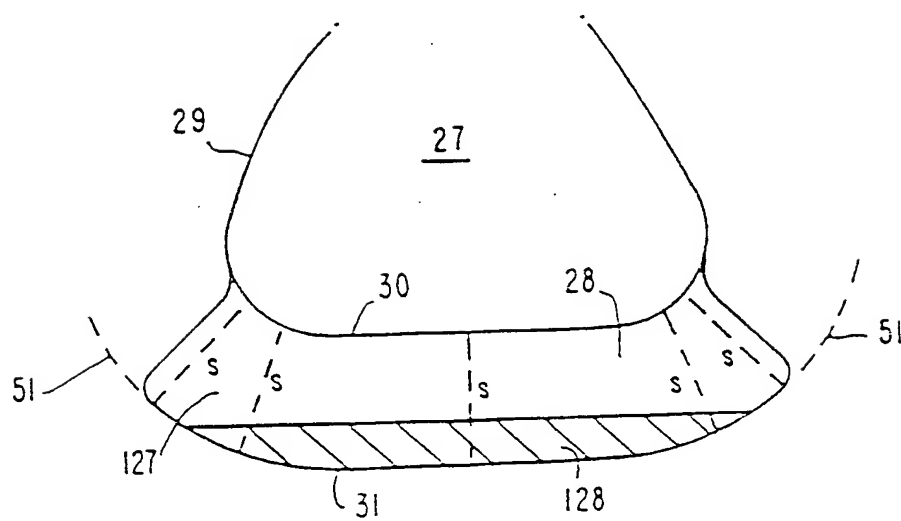


FIG. 21C

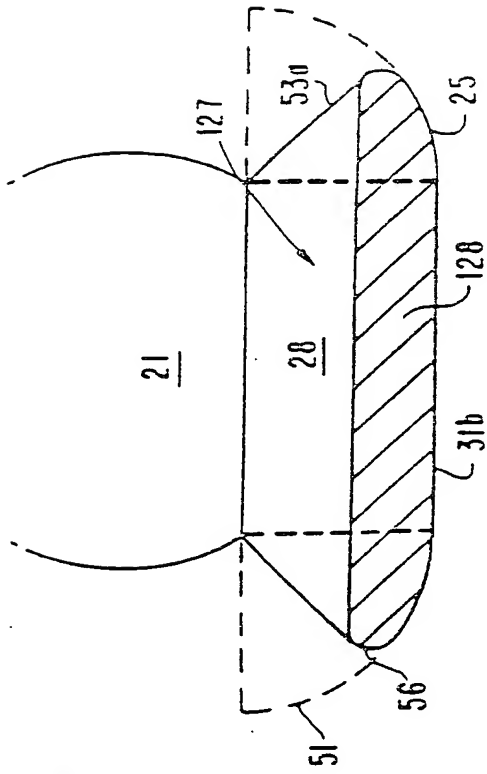


FIG. 21D

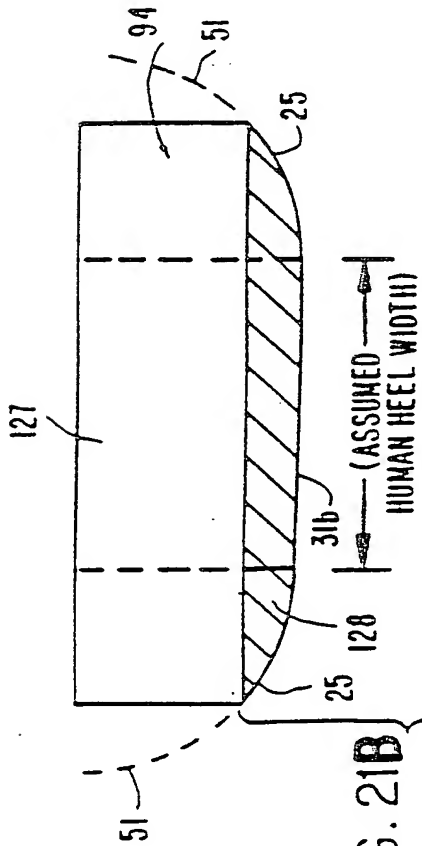
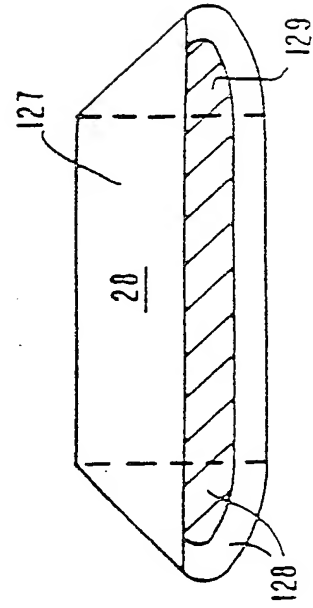


FIG. 21B

OPTIONAL FRONT CONTOUR

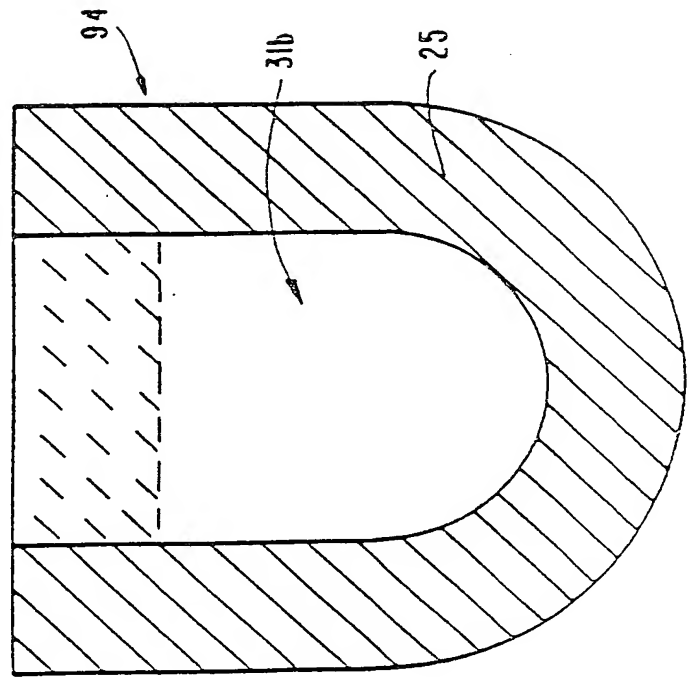


FIG. 21E

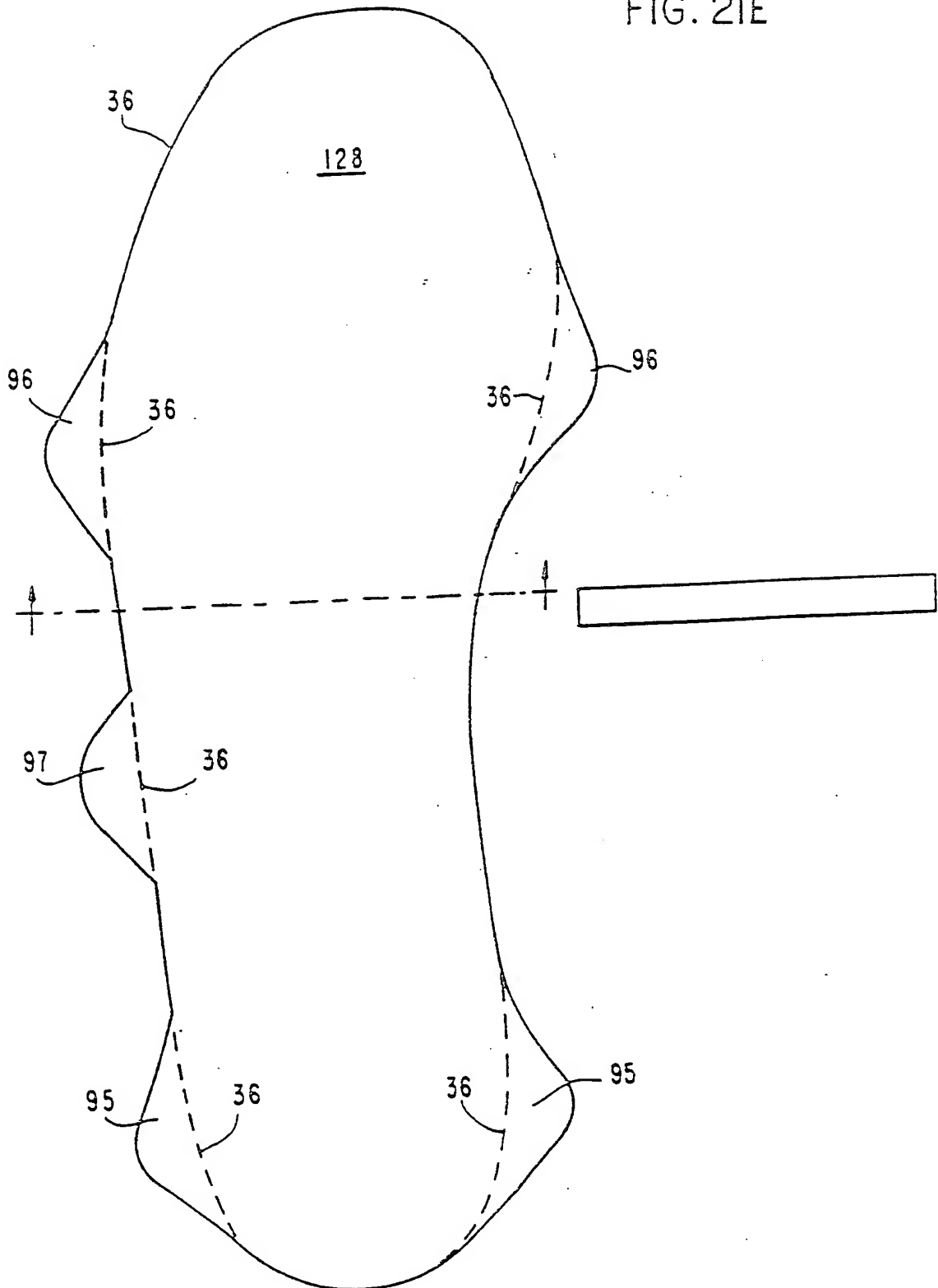


FIG. 22A

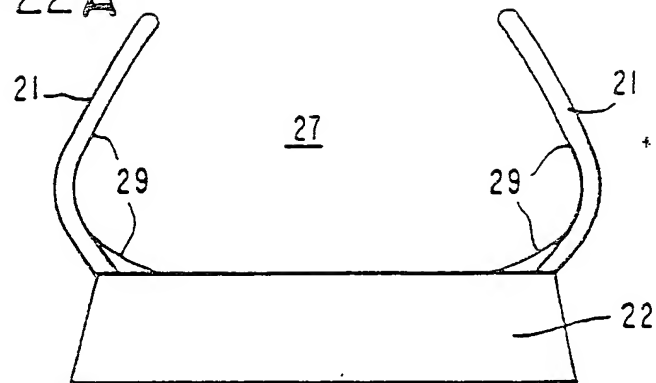


FIG. 22B

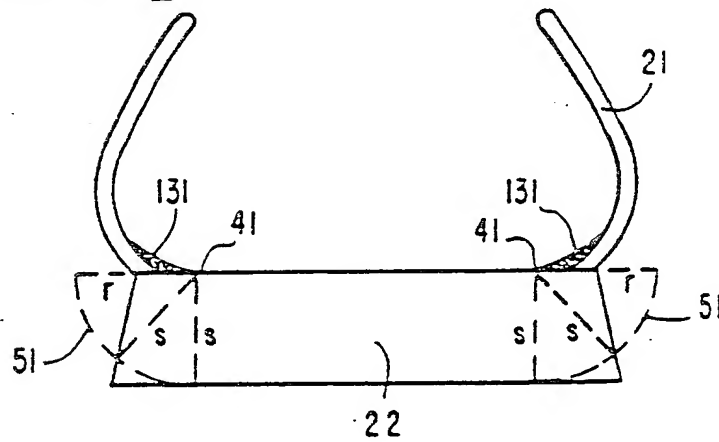


FIG. 22C

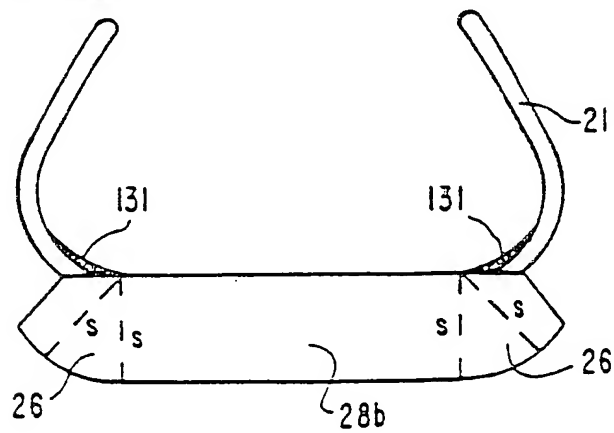


FIG. 23

FIG. 23A

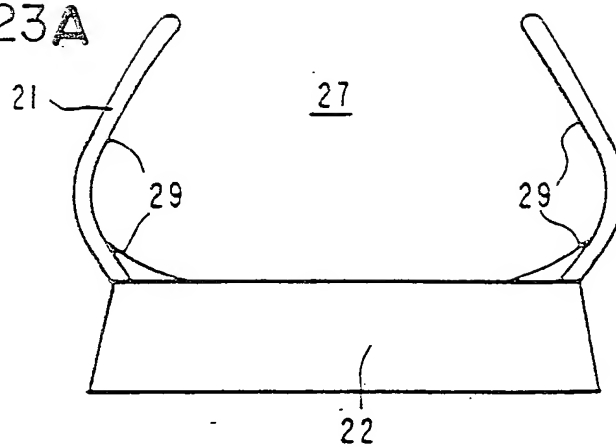


FIG. 23B

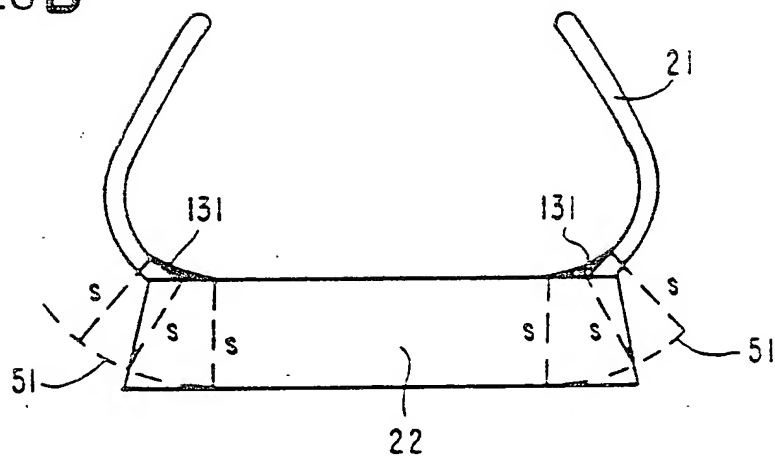


FIG. 23C

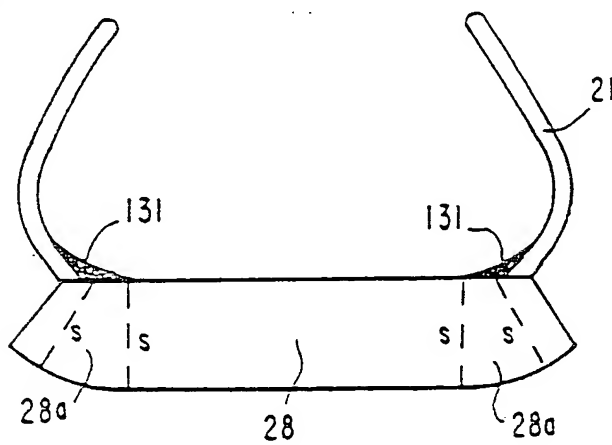


FIG. 24

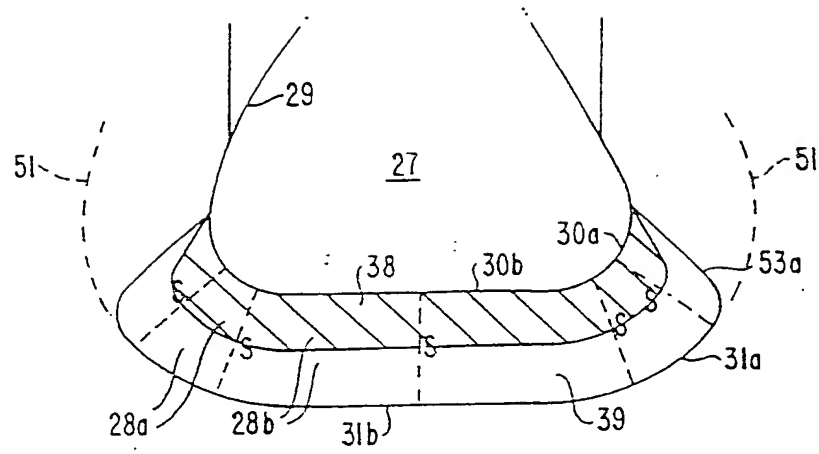


FIG. 25

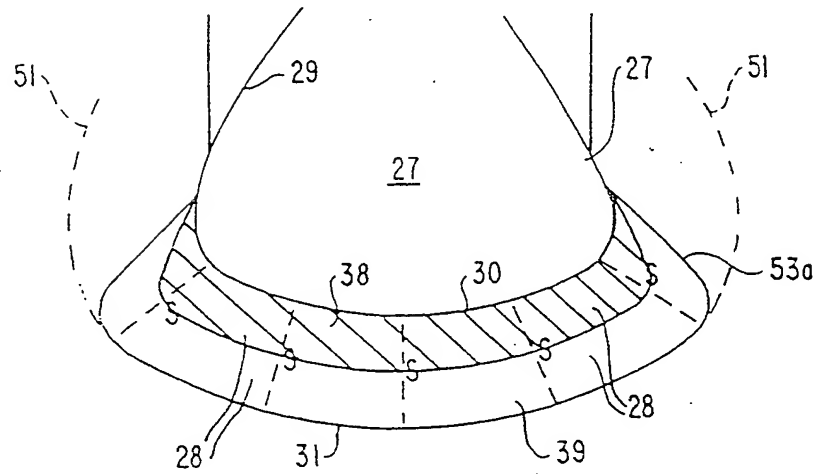


FIG. 26A

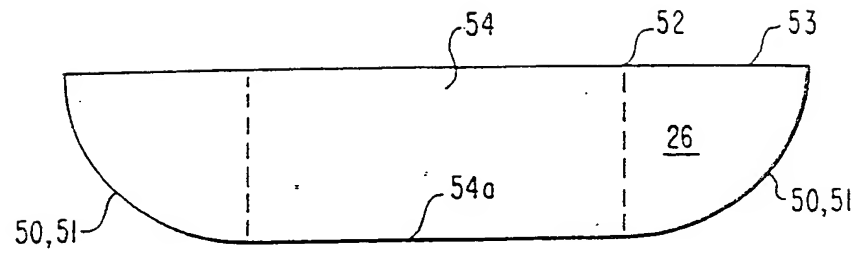


FIG. 26B

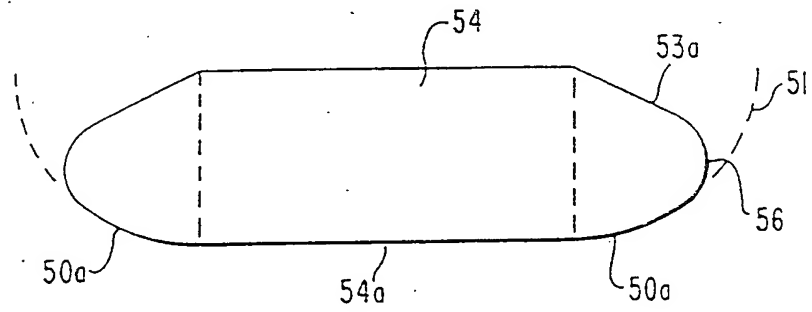


FIG. 26C

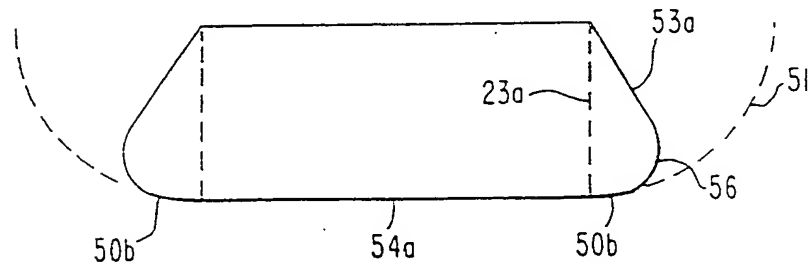


FIG. 28

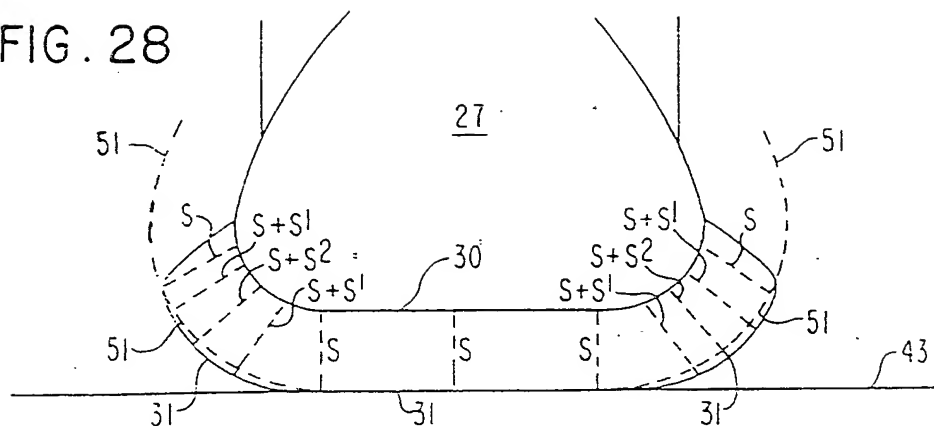


FIG. 29

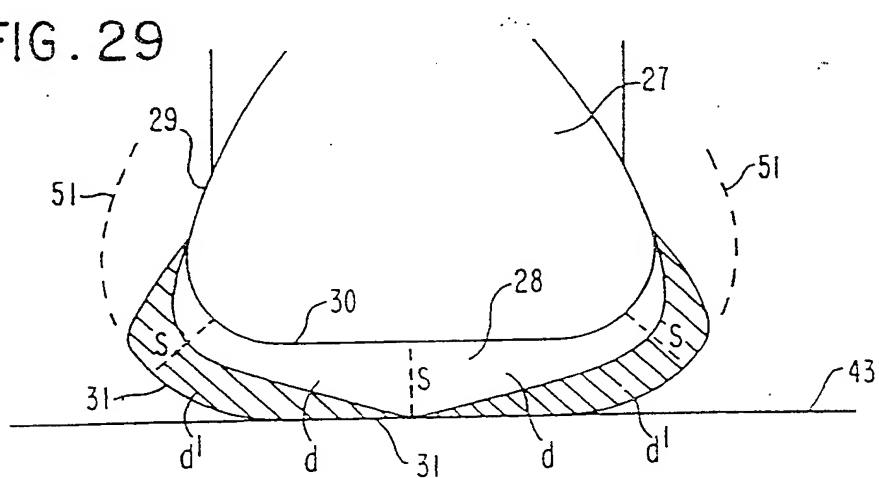


FIG. 30

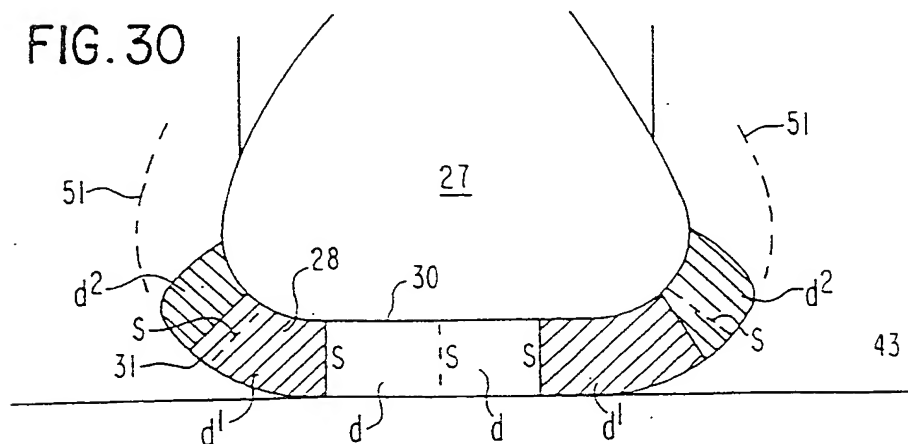


FIG. 31

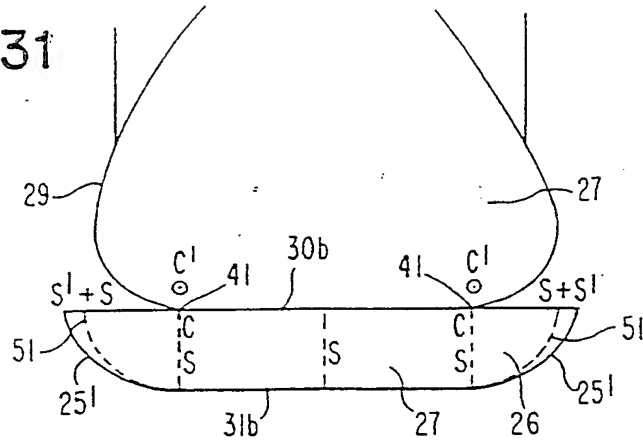


FIG. 32

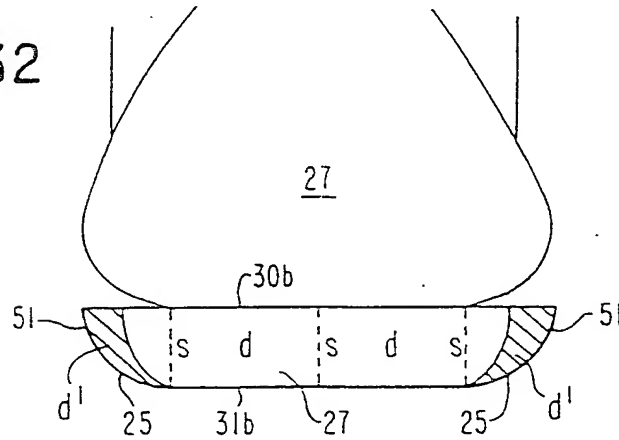


FIG. 33A

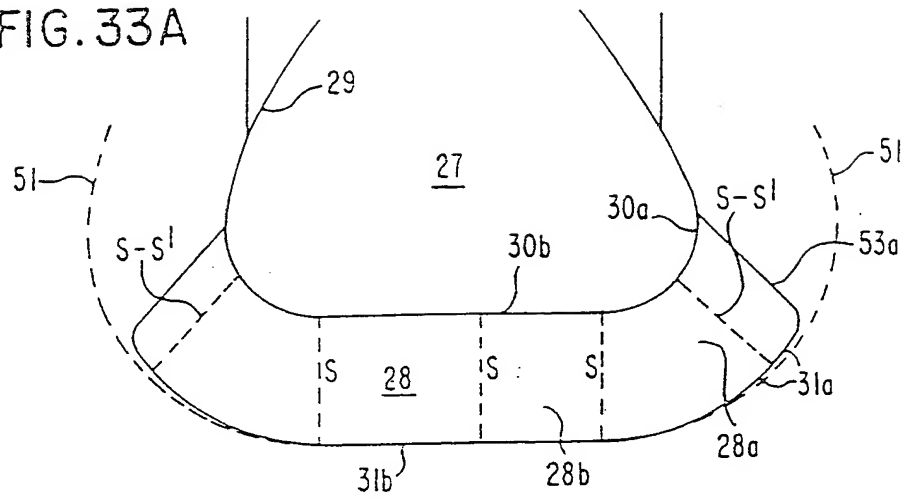


FIG. 33B

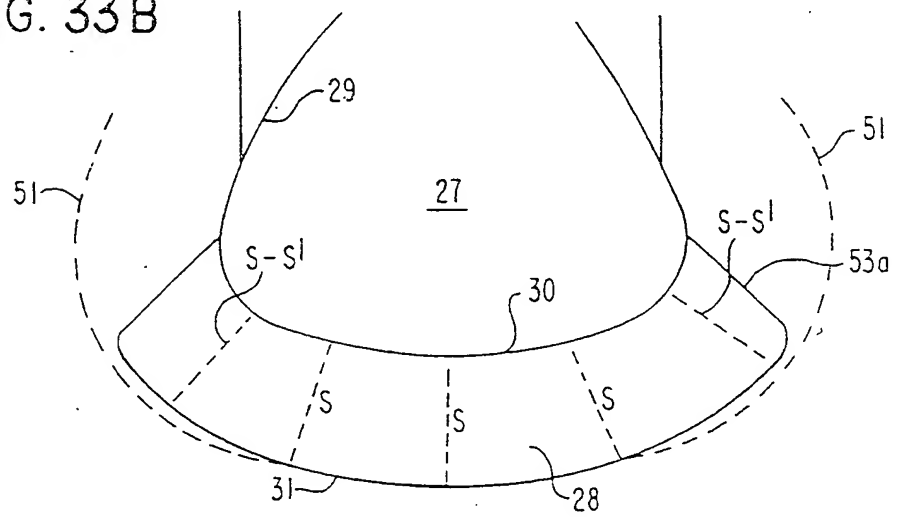


FIG. 33C

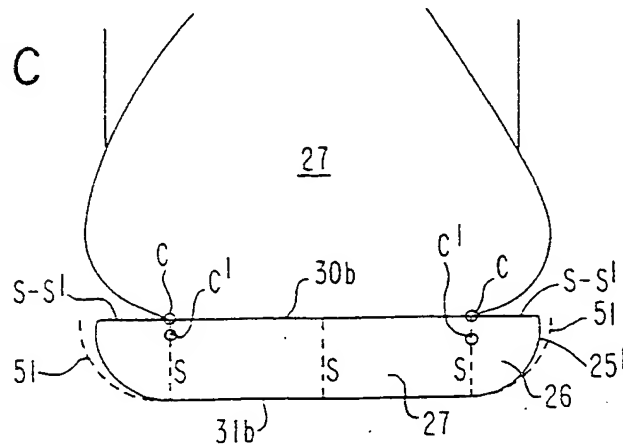


FIG. 34 A

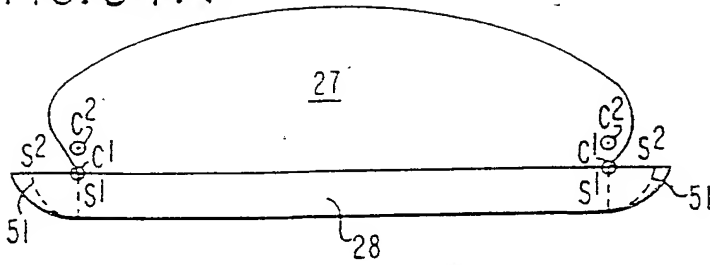


FIG. 34 B

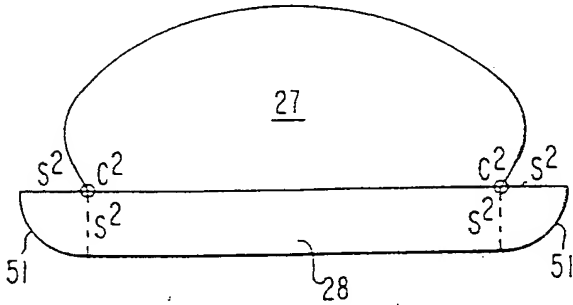


FIG. 34 C

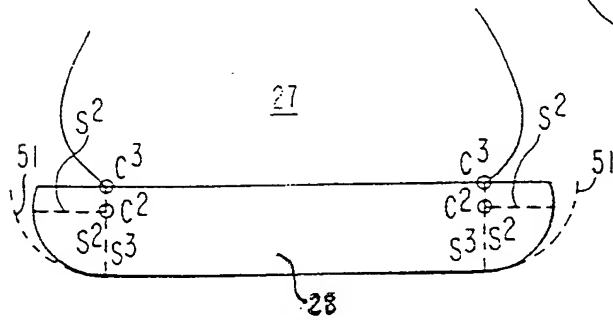


FIG. 34 D

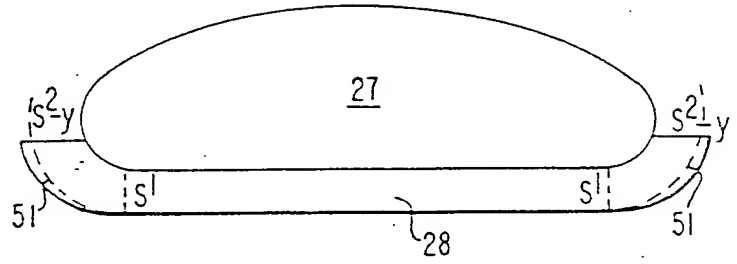


FIG. 34 E

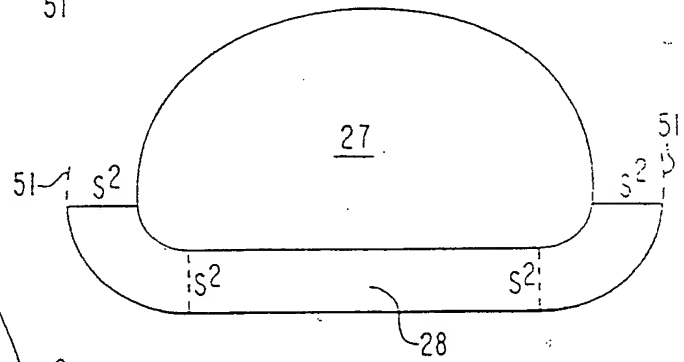


FIG. 34 F

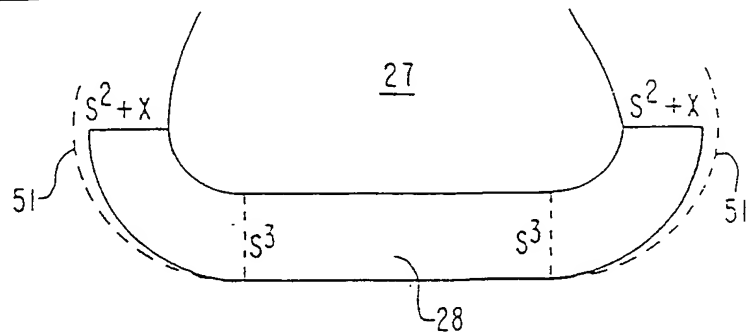


FIG. 35
(PRIOR ART)

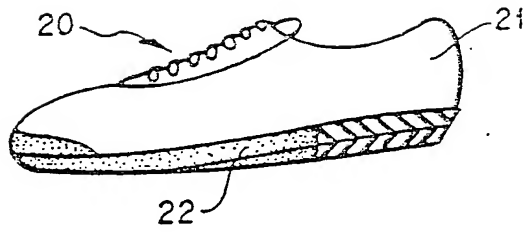


FIG. 36

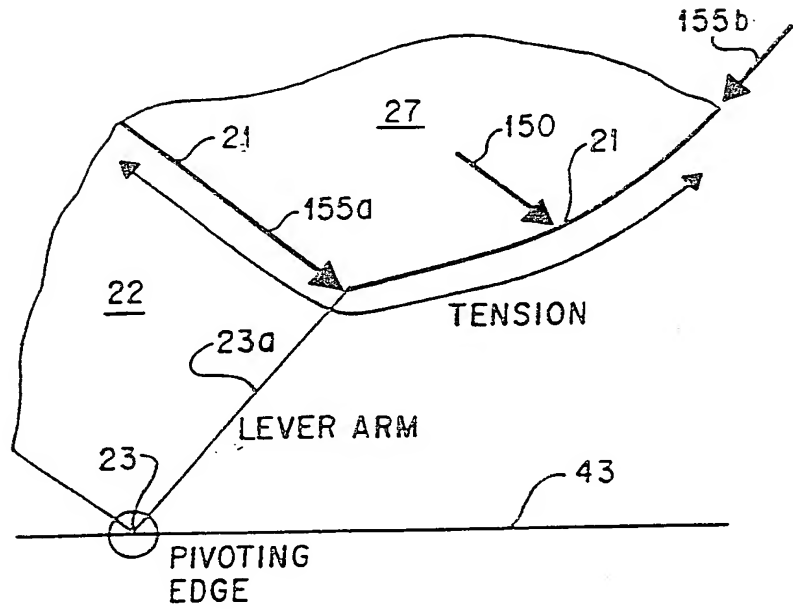
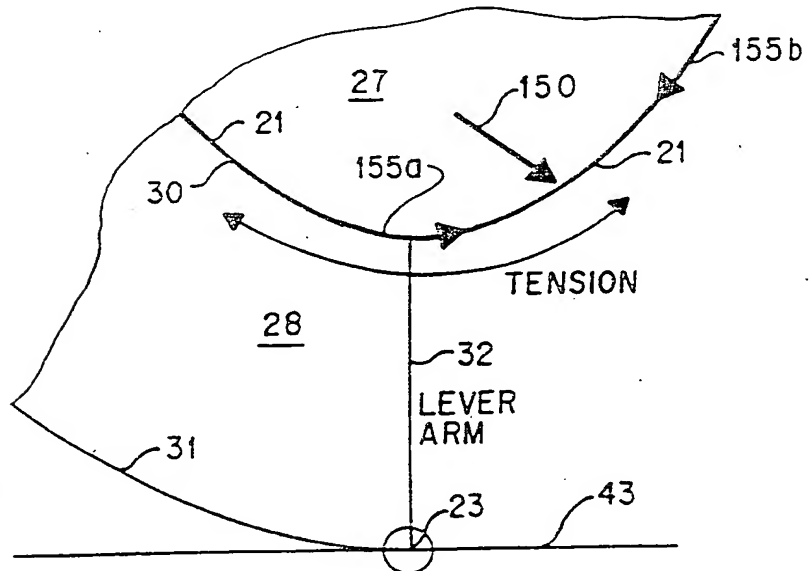


FIG. 37



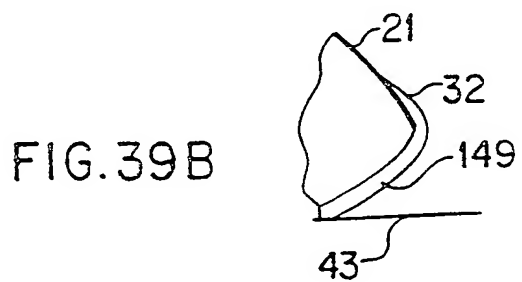
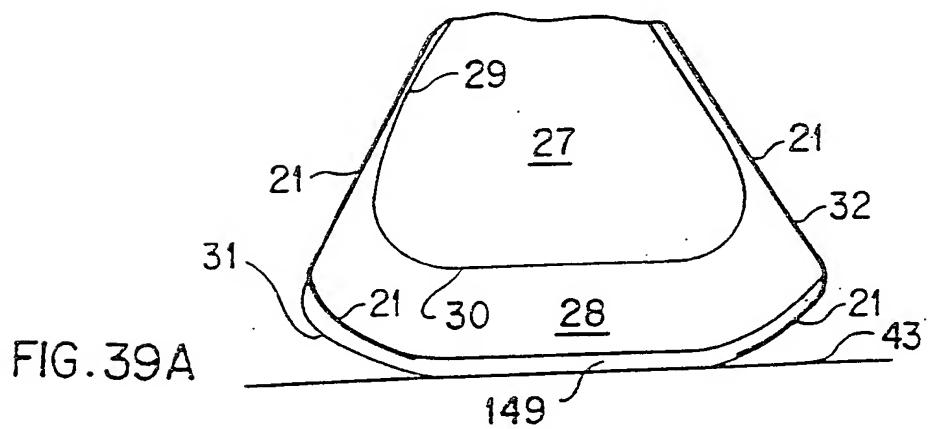
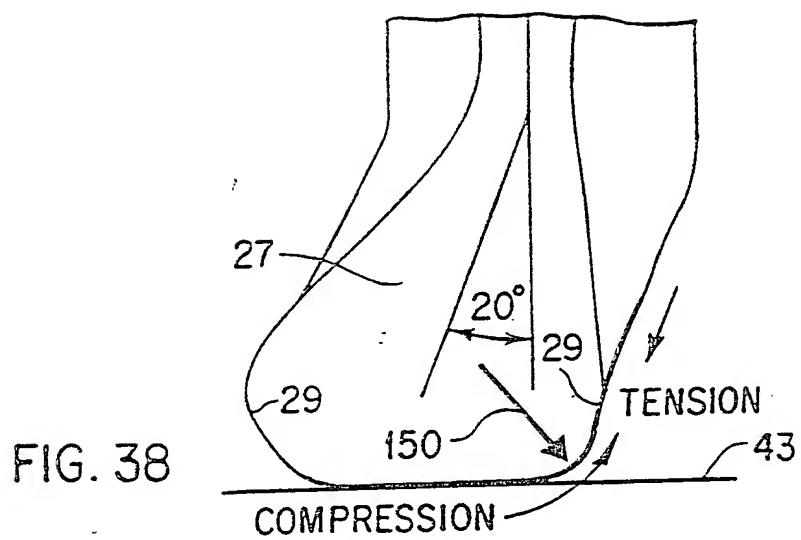


FIG. 40

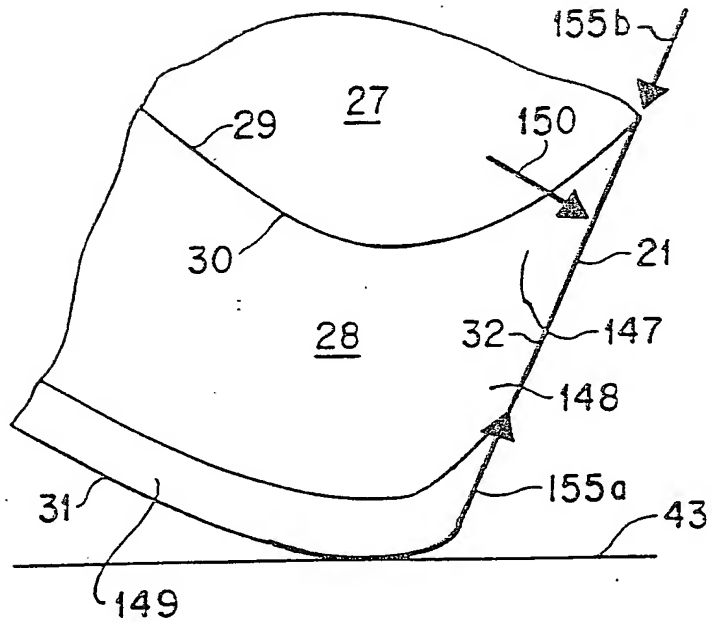


FIG. 41

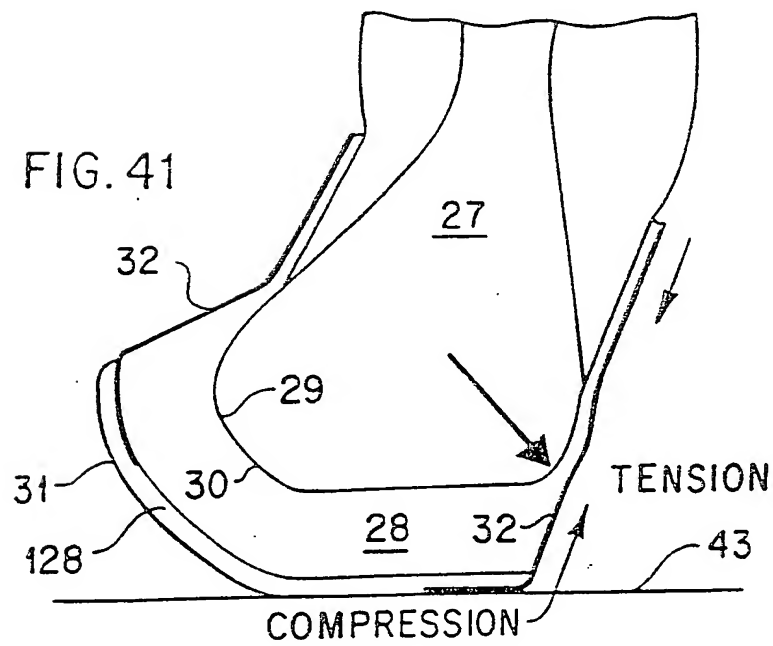


FIG. 42 A
UNLOADED,
UPRIGHT

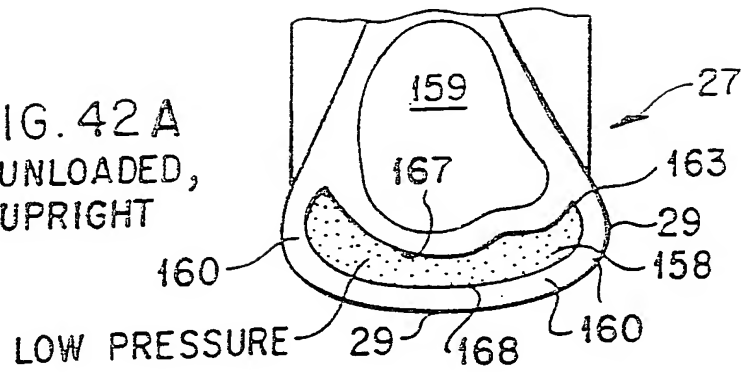


FIG. 42 B

LOADED
MODERATELY,
UPRIGHT

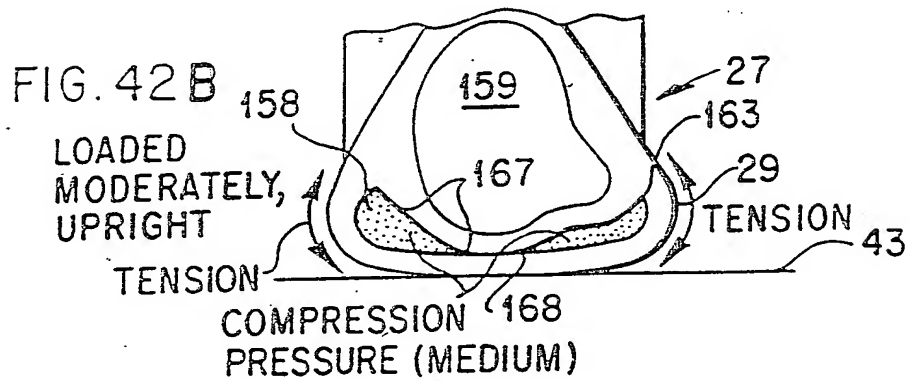


FIG. 42 C

LOADED
HEAVILY,
UPRIGHT

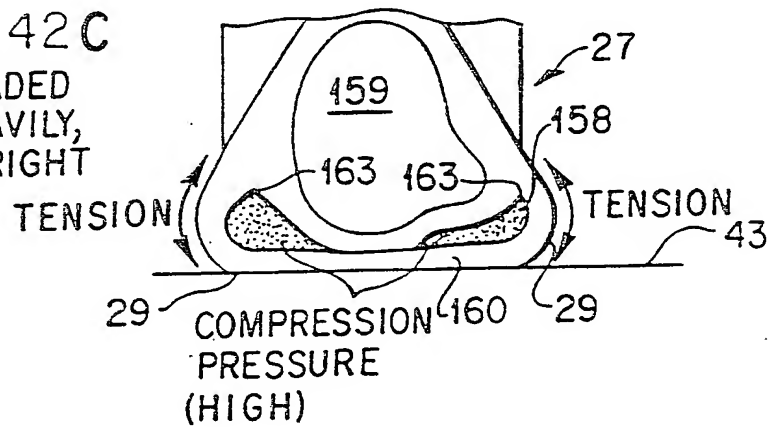
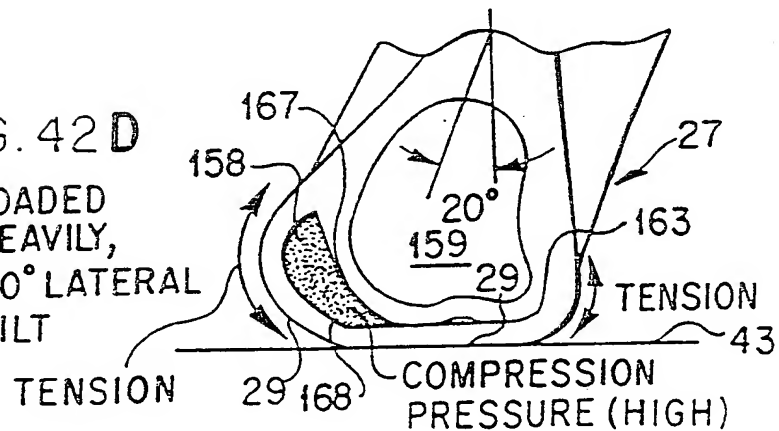


FIG. 42 D

LOADED
HEAVILY,
20° LATERAL
TILT



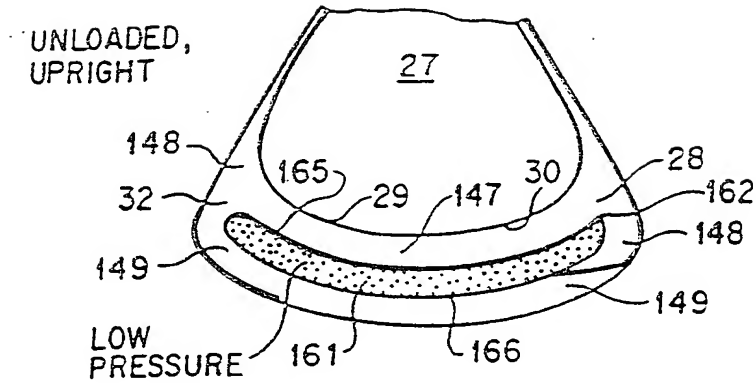


FIG. 43A

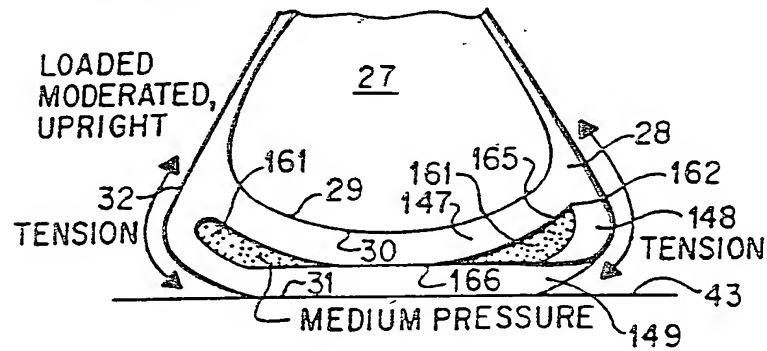


FIG. 43B

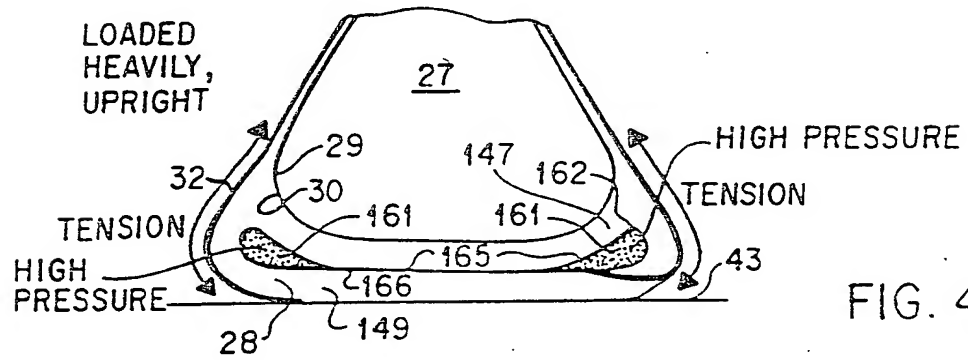


FIG. 43C

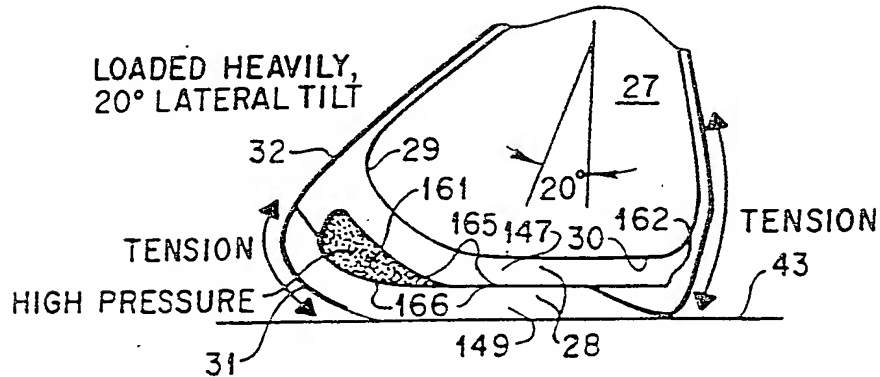


FIG. 43D

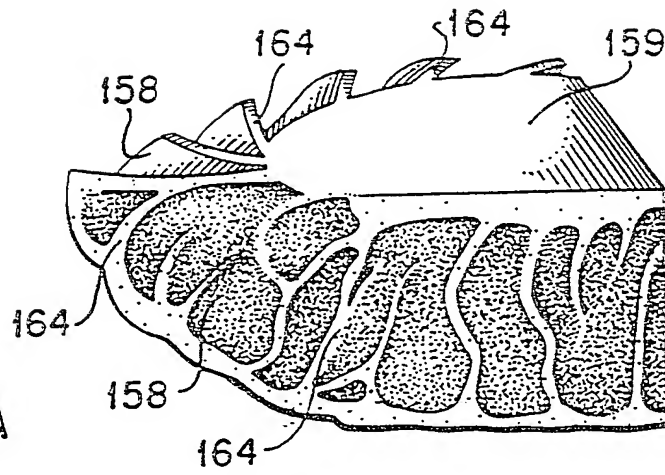


FIG. 44A

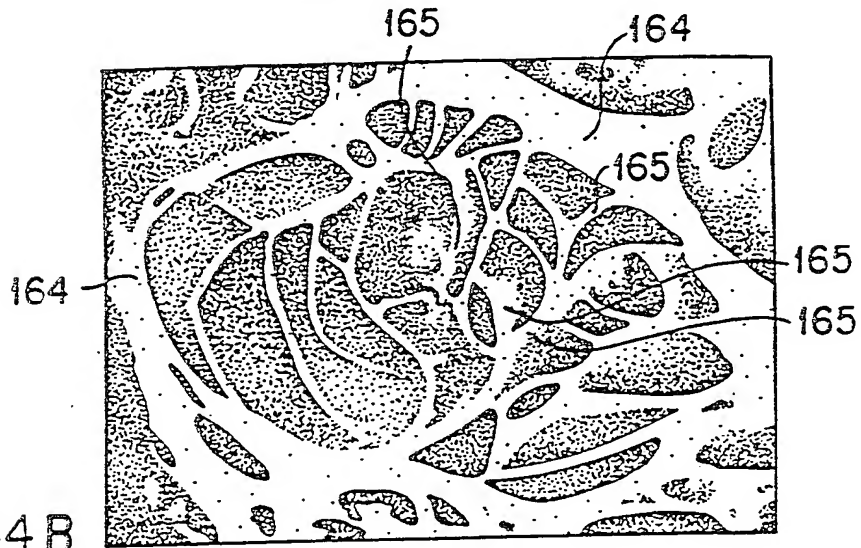


FIG. 44B

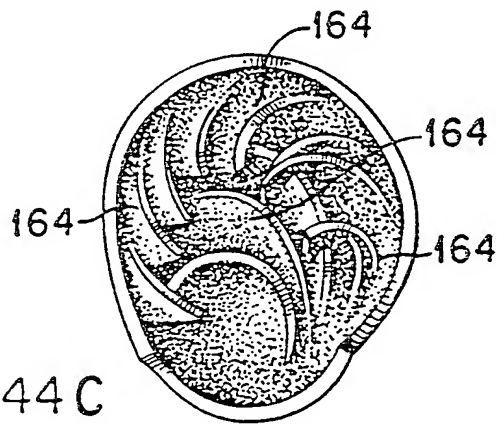


FIG. 44C

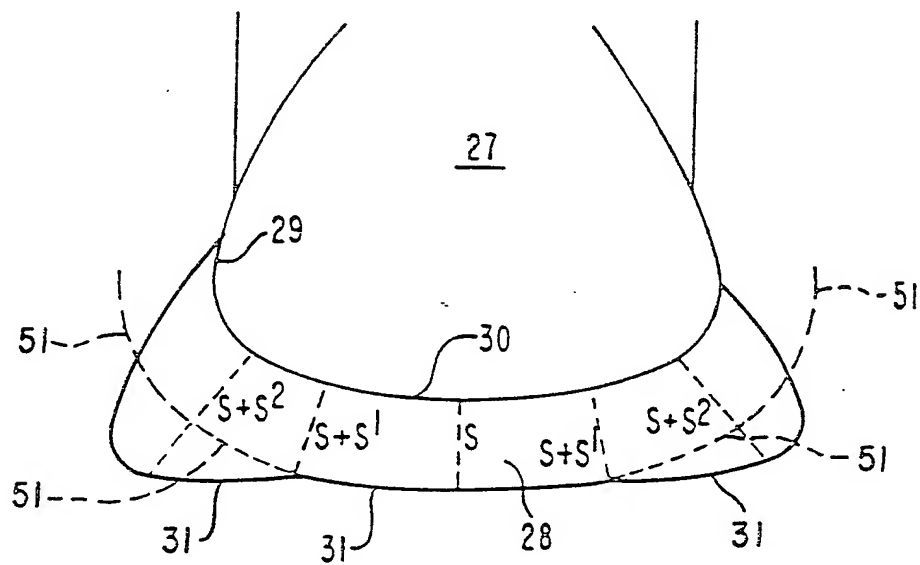


FIG. 46

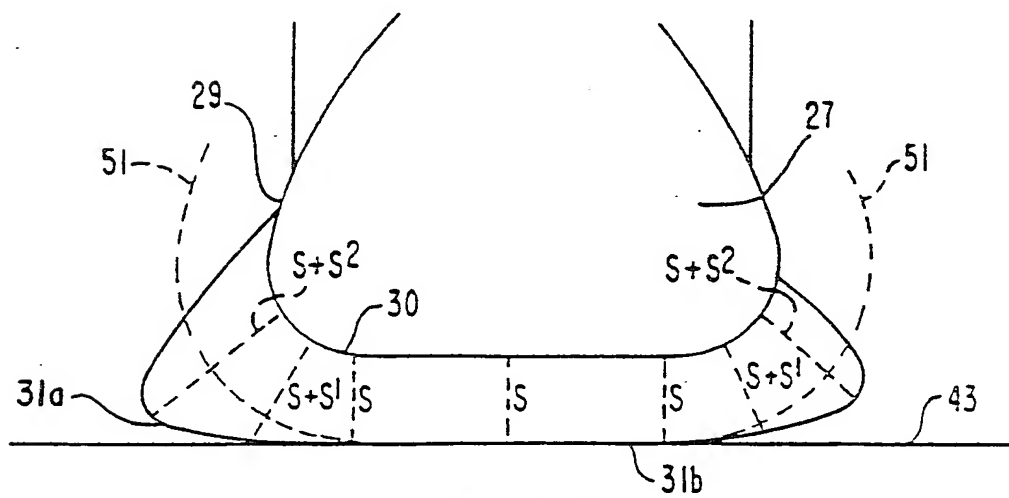
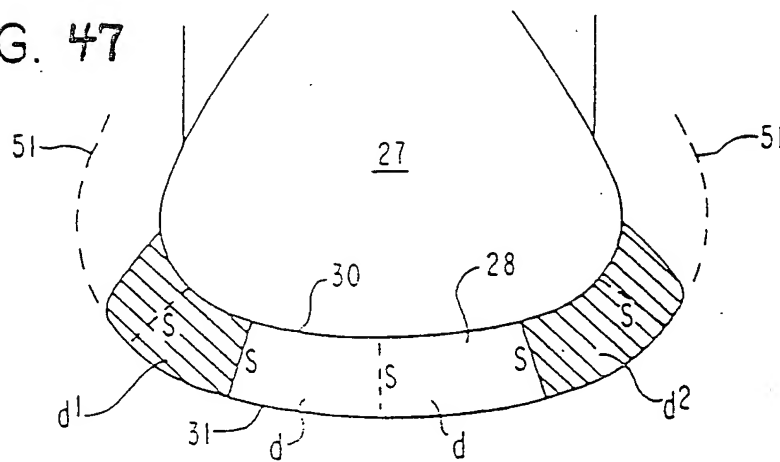


FIG. 45A

FIG. 47

(Midsoles only shown)

Frontal Plane
Cross Section
at Heel
(Ankle Joint)



(d' is firmer
than d;
d² firmest.

Scale:
Life Size
(Typical
Amer. Size
Men's 10D)

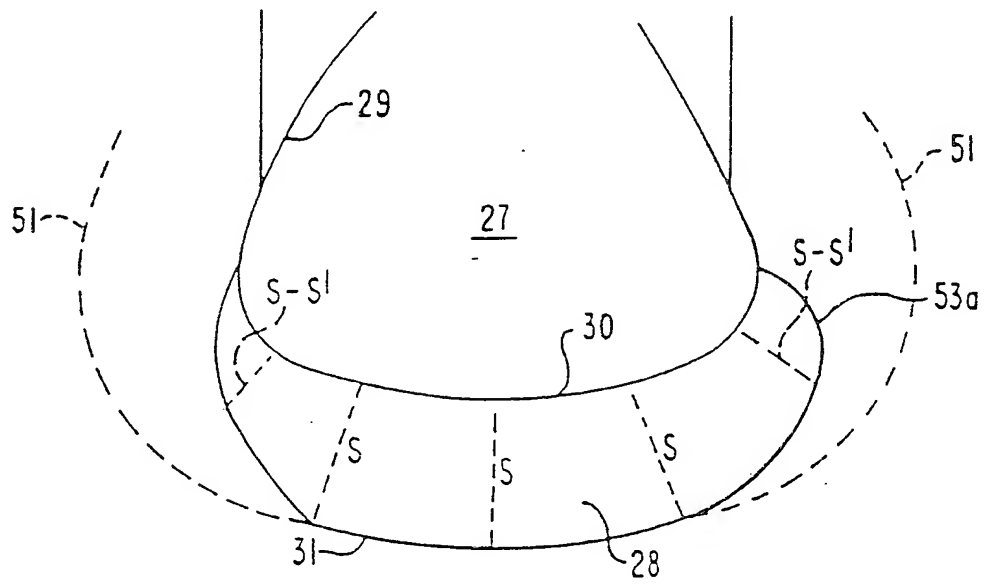
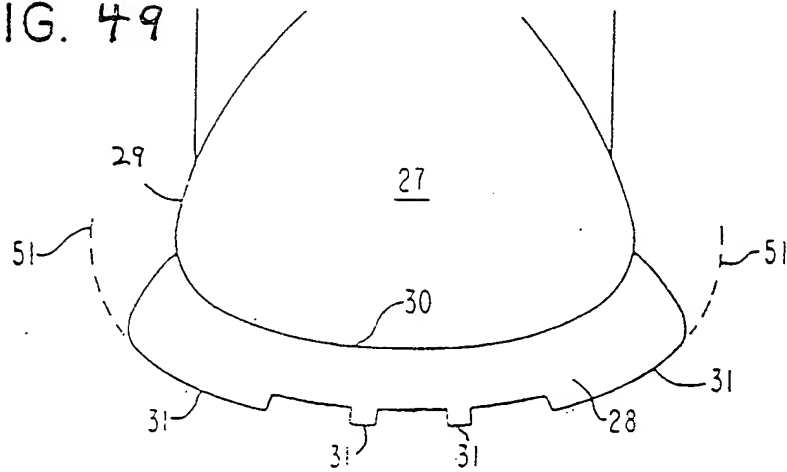


FIG. 48

FIG. 49



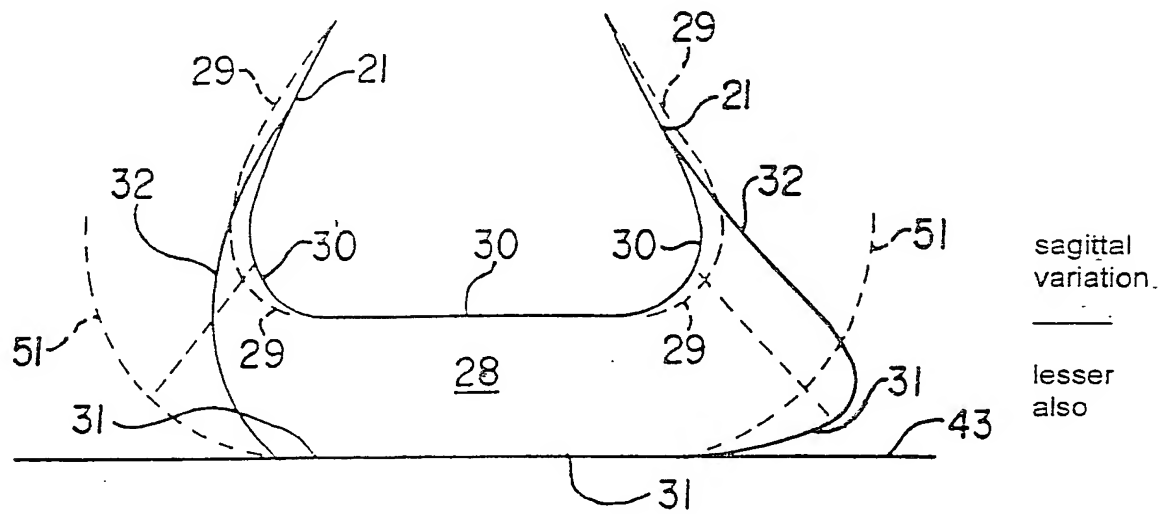


FIG. 50

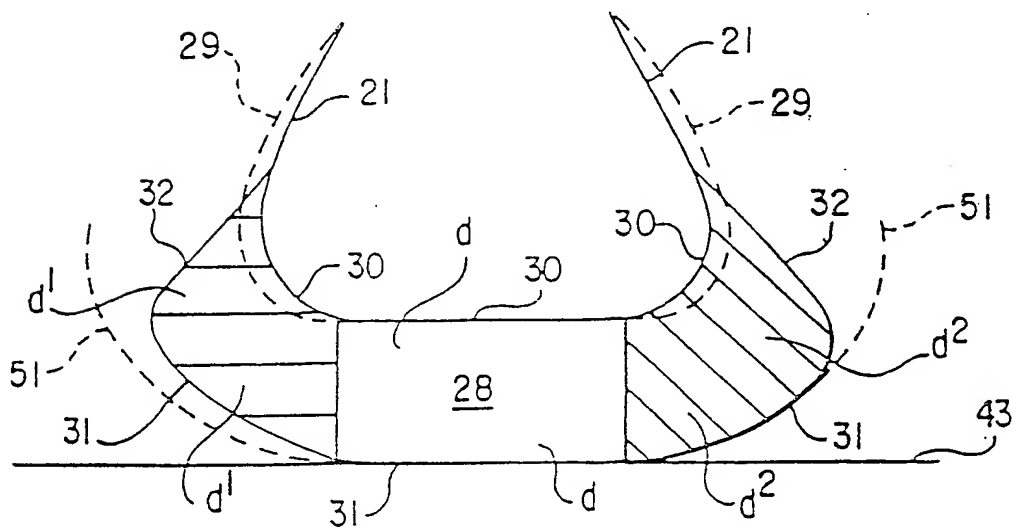


FIG. 51

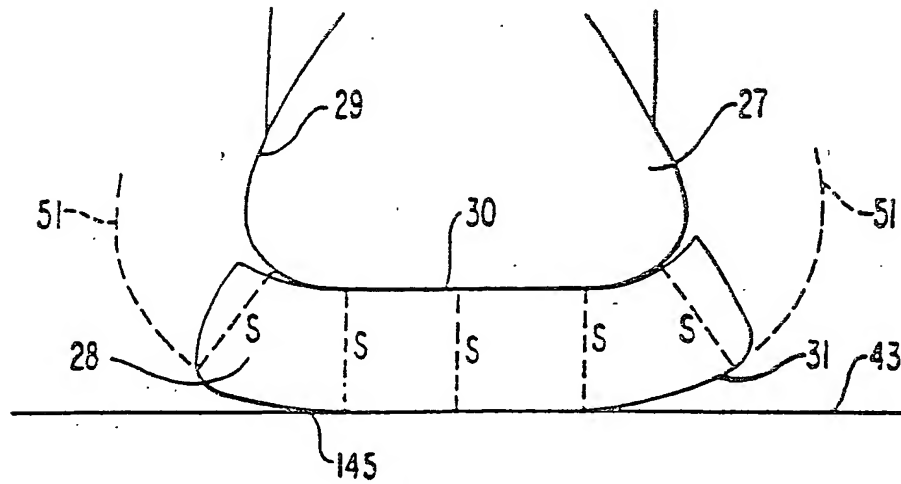


FIG. 52

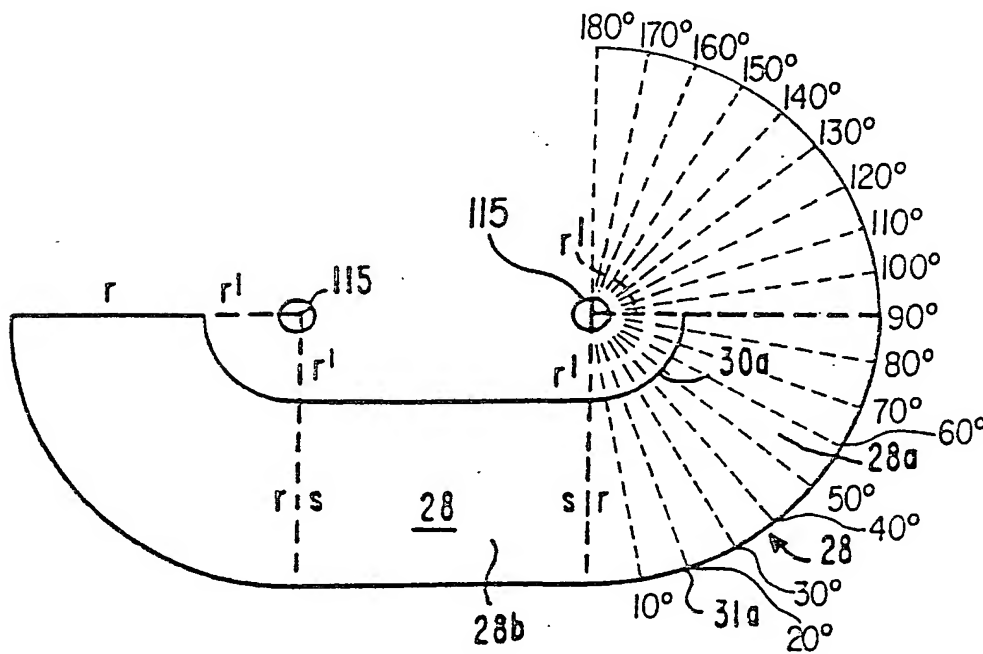


FIG. 53

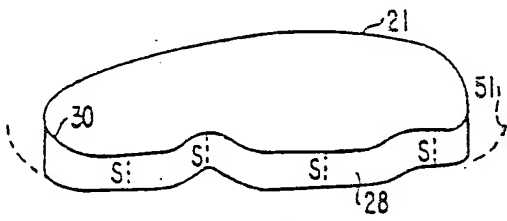


FIG. 54A

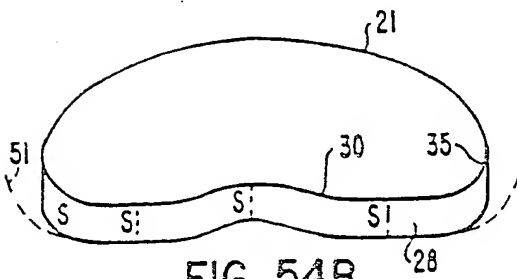


FIG. 54B

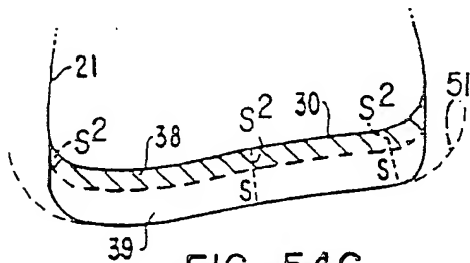


FIG. 54C

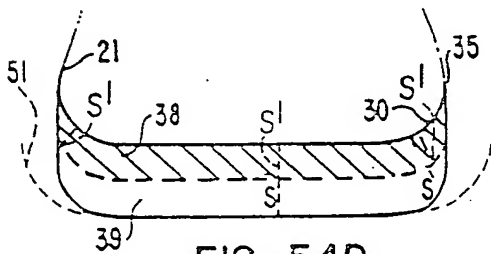
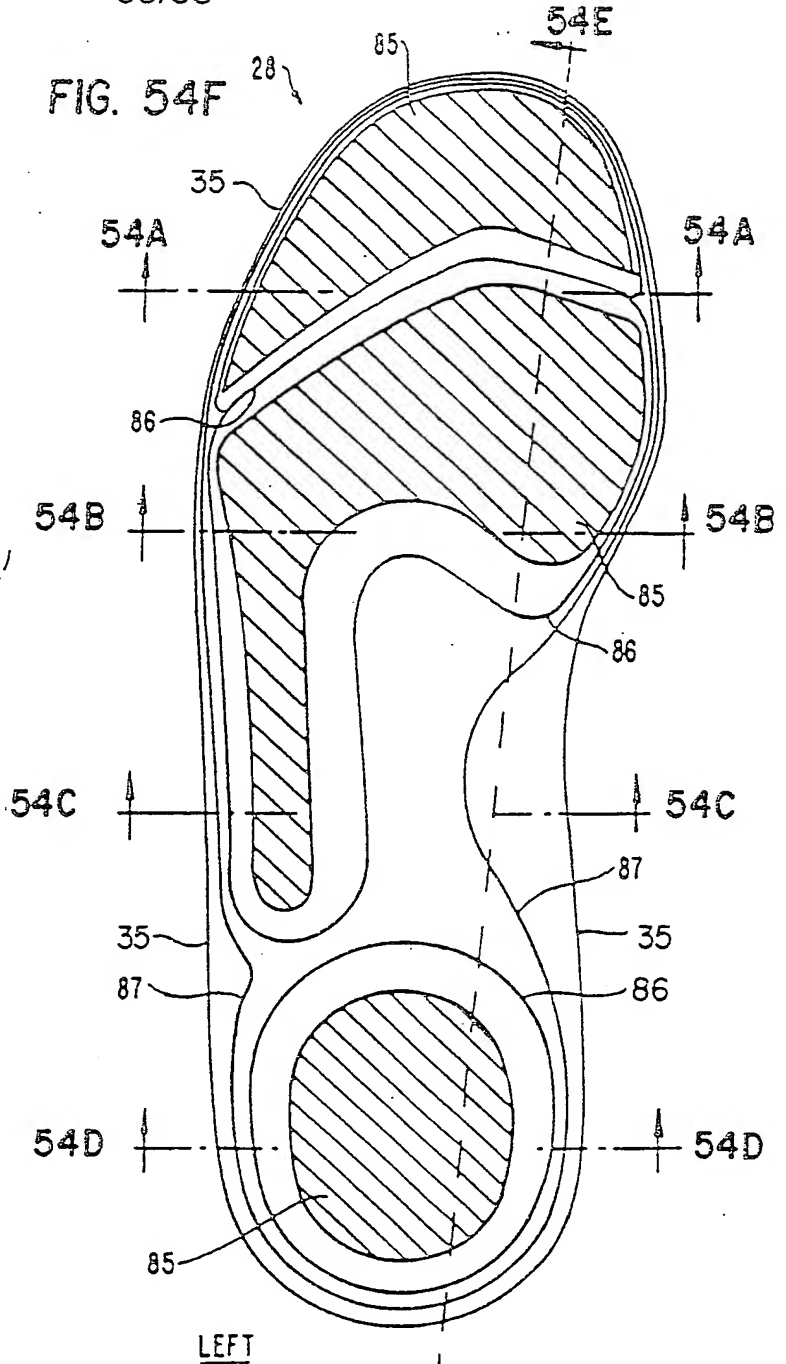


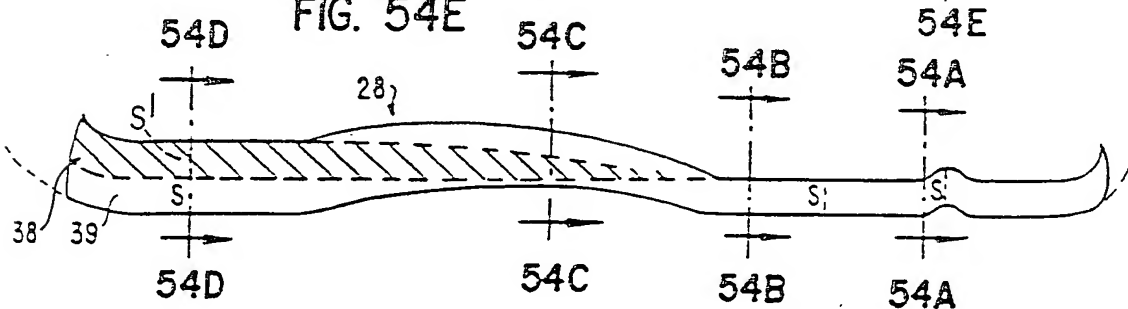
FIG. 54D

FIG. 54F



LEFT

FIG. 54E



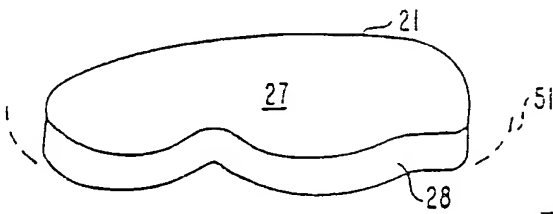


FIG. 55A

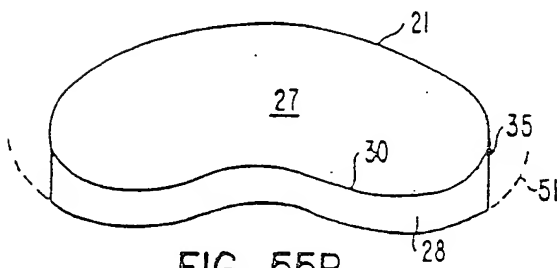


FIG. 55B

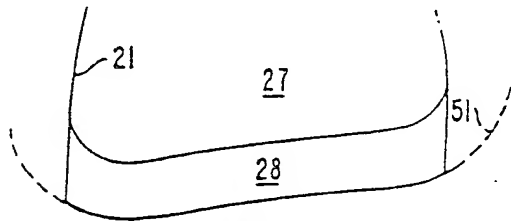


FIG. 55C

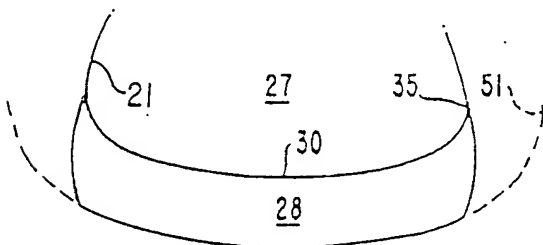


FIG. 55D

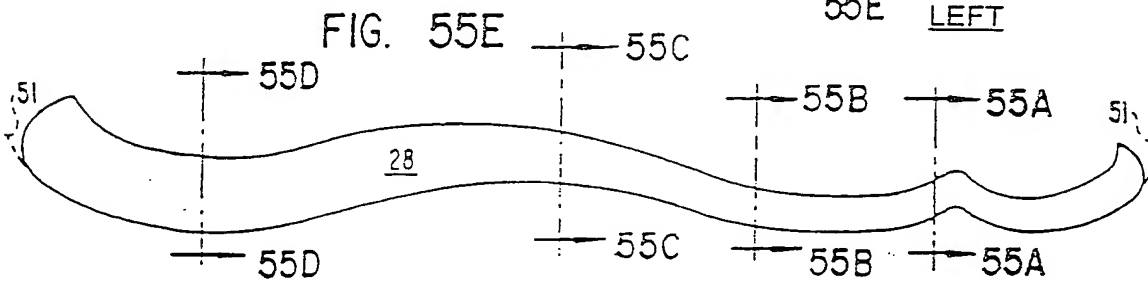


FIG. 55E

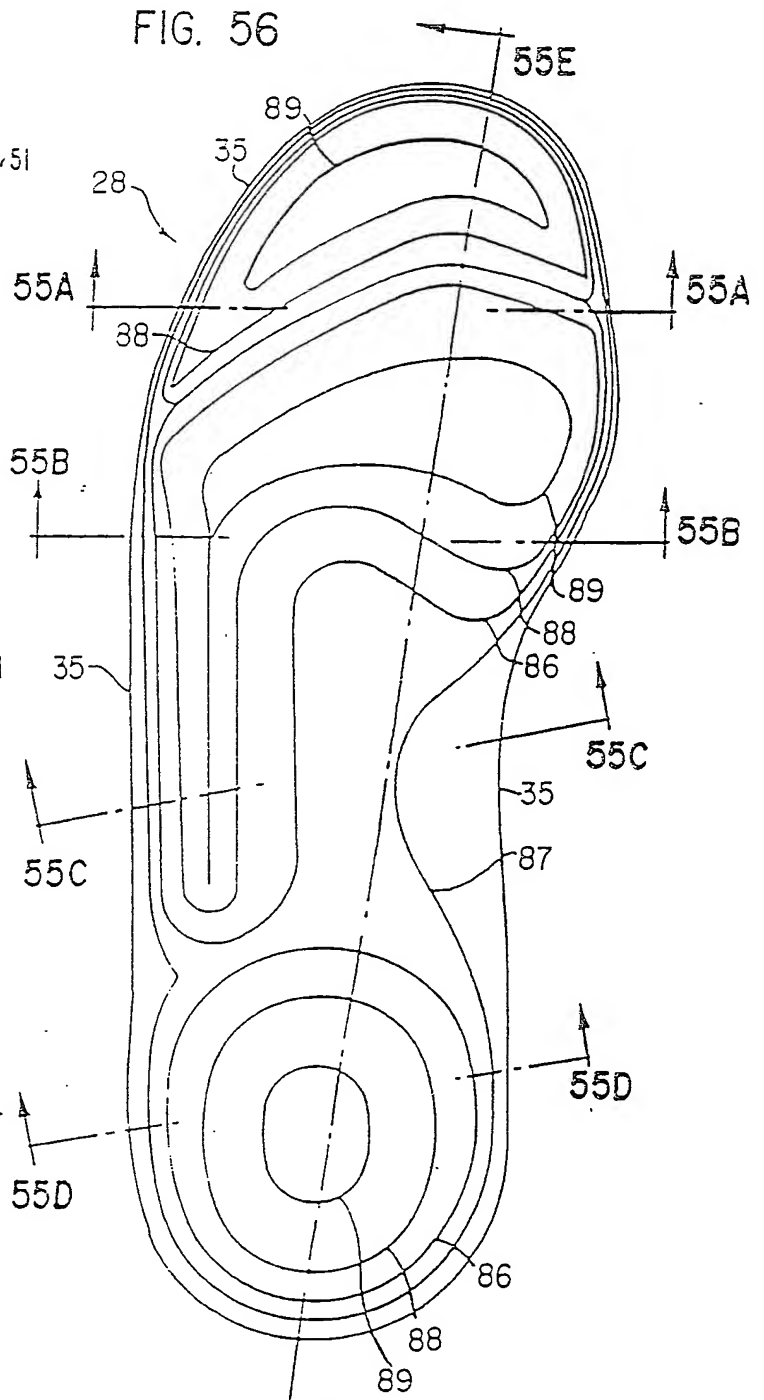


FIG. 56

LEFT

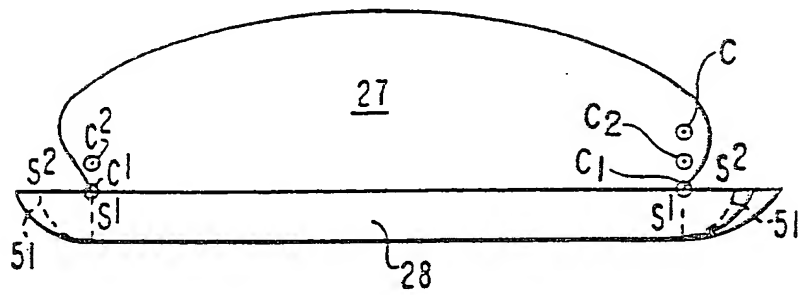


FIG. 57A

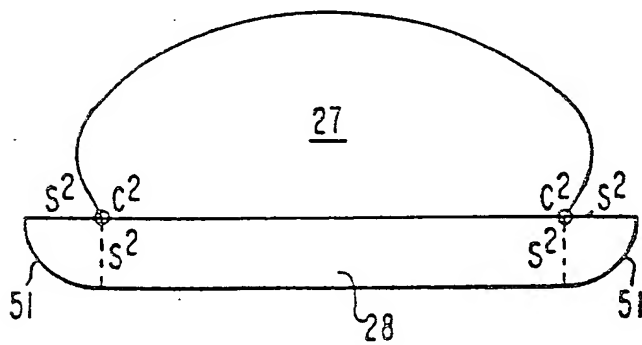


FIG. 57B

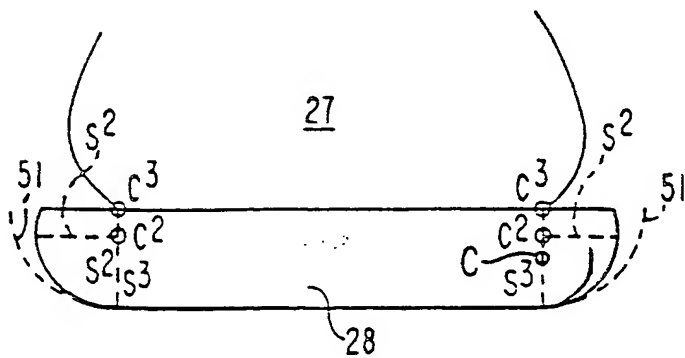


FIG. 57C

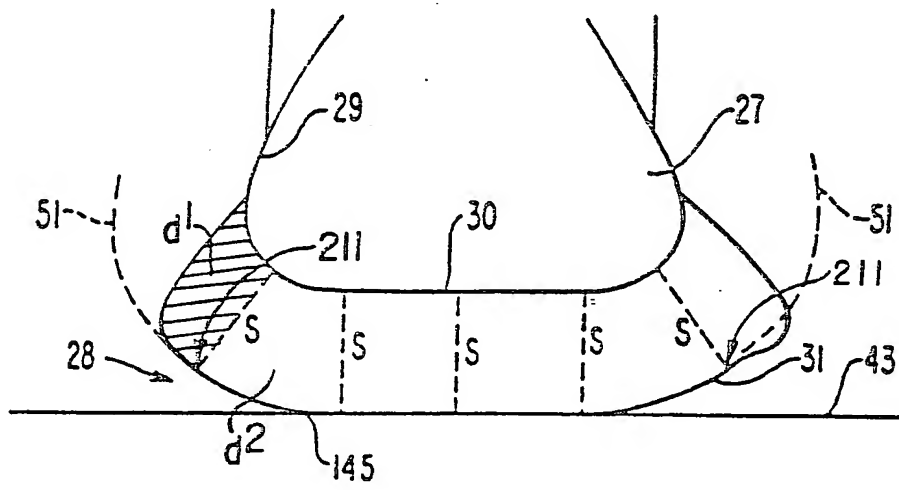


FIG. 58